DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of machinery	Brief Specification	Quantity (Item)	Sheet No.	Remarks (Bldg No.)
		Cooling surface 10 m²			
		Normal temp and press			
		Unknown			
		Tube shell 2" passes			
		inlet 3" outlet 2"			
		Shell steel Dia 0.68m L 2.80m			
		inlet 8" outlet 5"			
20 (192)	"	"	1	sheet No. 631 of 802 Sheets	Area No. 5
20 (209)	"	Vertical shell and tubes	1	sheet No. 616	Area No. 4
		Cooling Surface 15 m²		of 802 sheets	
		tubes steels			
		inlet 1½" outlet 1"			
		Shell steel			
		inlet 6" outlet 2½"			
		Dia 0.80m H300m			
20 (210)	"	"	1	"	"
20 (211)	Separator	Vertical Cylindrical cap 1 KL	1	sheet No. 617	"
		Dia 0.8m H. 2.60m		of 802 sheets	
		const. Welded			
		plate thickness 10 m.m			
		With heater Oil			
20 (215)	Tank	Vertical Cylindrical Cap 6 KL	1	sheet No. 788	Fukugawa

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. NO.	Name of Machinery	Brief Specification	Quantity (Item)	Sheet NO.	Remarks (Bldg NO.)
		Dia 1.8m H 2.4m Const. welded plate thickness 9m.m.		of 402 Sheets	
20 (219)	Tank	Vertical Cylindrical Cap. Kl Dia 1.00m H 1.80 m Const. welded plate thickness 16 m.m	1	steet NO. 616 of 802 sheets	Area NO. 4
		Total	206		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

List of Facilities for Application

Code No. 45 ~ 07

Name of Plant. Former 3rd Naval Fuel Depot

Address of Plant. Tokuyama City, Yamaguchi Pref.

1. Machinery (Tanks)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Sheet No.	Remarks (Area No.)
297(21)	Oil Tank	Vertical Cylindrical Cap. 250 Kl D. 7.00 m H. 750 m. Construction Riveted	1	Sheet 746 of 802 Sheet	Area No. 18
393	"	Vertical Cylindrical Cap. 70 Kl D. 4.50 m H. 4.50 m Construction Riveted	1	Sheet 404 of 802 Sheet	"
295 (58)	"	Vertical Cylindrical Water Top. Cap. 270 Kl D. 7.20 m H. 7.20 m Plate Thick. 9 m/m Construction Riveted	1	Sheet 287 of 802 Sheet	Area No. 10
295 (59)	"	"	1	"	"
295 (60)	"	"	1	"	"
295 (61)	"	"	1	Sheet 288 of 802 Sheet	"
317 (10)	"	Vertical Cylindrical Cap. 200 Kl D. 10.00 m	1	Sheet 137 of 802 Sheet	Area No. 16

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specifecation	Quantity	Sheet No.	Remarks (Area No.)
		H.350m. Construction Riveted. Plate Thick 9mm			
319 (35)	Oil Tank	Vertical Cylindrical Cap. 200Kl D. 10.00m H. 3.00m Construction Riveted.	1	Sheet 8 of 802 Sheet	Area No. 16
318 (22)	"	Vertical Cylindrical Cap. 200Kl D. 10.00m H. 3.50m Construction Riveted. Plate Thick 9mm	1	Sheet 128 of 802 Sheet	"
317 (4)	"	Vertical Cylindrical Cap. 50Kl. D. 6.10m H. 1.90m Construction Riveted. Plate Thick 9mm	1	Sheet 136 of 802 Sheet	"
317 (5)	"	"	1	"	"
317 (6)	"	"	1	Sheet 137 of 802 Sheet	"
317 (7)	"	"	1	"	"
317 (8)	"	"	1	"	"
317 (9)	"	"	1	"	"
318 (11)	"	"	1	Sheet 126 of 802 Sheet	"
318 (12)	"	"	1		"
318 (13)	"	"	1		"
318 (14)	"	Vertical Cyindrical Cap. 50Kl D. 6.10 m H. 1.90 m	1	Sheet 127 of 802 Sheet	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Sheet No.	Remarks (Area No.)
		Construction Riveted Plate Thick 9mm H. 1.90 m			
318 (15)	Oil Tank	"	1	Sheet 127 of 802 Sheet	Area No. 16
318 (16)		"	1	"	"
318 (17)		"	1	"	"
318 (18)		"	1	"	"
318 (19)		"	1	"	"
318 (20)		"	1	"	"
318 (21)		"	1	"	"
326 (16)	"	Vertical Cylindrical Cap. 50 Kl D. 6.10 m H. 1.70 m. Construction Riveted. Plate Thickness 10 mm	1	Sheet 388 of 802 Sheet	Area No. 21
326 (17)	"	"	1	"	"
326 (18)	"	"	1	"	"
326 (19)	"	" contruction weldeed	1	"	"
2 (41)	"	Vertical Cylindrical Cap. 300 kl D. 7.00 m H. 8.00 m Plate thickness 9 mm	1	Sheet 6 all of 802 Sheets	Area No. 6
2 (42)	"	"	1	"	"
241 (80)	"	Vertical Cylindrical Cap. 50 kl D. 4.50 m H. 3.00 m	1	Sheet 291 of 802 Sheets	Area No. 8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Sheet No.	Remarks (Area No.)
		Plate thickness 9 m m Const. Riveted.			
241 (81)	Oil Tanke	"	1	Sheet 291 of 802 Sheets	Area No. 8
322 (34)	"	Vertical Cylindrical Cap. 50 Kl. D. 4.5 m H. 3.5 m Plate thickness 9 m m Const. Riveted	1	Sheet 173 of 802 Sheets	Area No. 18
322 (35)	"	"	1	"	"
327 (1)	"	Vertical Cylindrical Cap. 100 Kl D. 6.5 0 m H. 2.4 7 m Plate thickness 10 m m. Const. Riveted	1	Sheet 448 of 802 Sheets	Area No. 21
327 (2)	"	"	1	"	"
327 (3)	"	"	1	"	"
666	"	Vertical Cylindrical Cap. 170 Kl D. 5.5 m H. 7.5 m Plate thickness 9 m m Const. Riveted	1	Sheet 640 of 802 Sheet	Area No. 6
668	"	Vertical Cylindrical Cap. 100 Kl D. 4.8 m H. 6.0 m Plate thickness 9 m m Const. Welded	1	Sheet 615 of 802 Sheets	Area No. 4
669	"	"	1	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inv. No.	Name of Machinery	Brief Specification	Quantity	Sheet No.	Remarks (Area No.)
670	Oil Tank	Vertical Cylindrical Cap. 60kl D.4.6m H.4.0m Plate thickness 9mm Const. Riveted	1	Sheet 615 of 802 Sheets	Area No.4
671	"	"	1	"	"
672	"	"	1	"	"
673	"	"	1	"	"
674	"	Vertical Cylindrical Cap. 50kl. D. 3.6 m. H. 5.0m Plate thickness 9mm Const. Riveted.	1	Sheet 616 of 802 Sheets	"
675	"	Vertical Cylindrical Cap. 60kl D. 4.0 m H. 5.00m Plate thickness 9 mm Const. Riveted.	1	"	"
		Total	48		
		Grand Total 254			

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

To : General Headquarters, Supreme Commander for the Allied Powers.

From : Reparations Agency, Tokyo.

Subject: Application for Movement and Authorized Use of Reparations Equipment of Tokuyama Fuel Depot (Code No. 45-07) Filed by Wakayama Refinery, Toa Nenryo Kogyo K.K. (Non-reparations Plant).

RAR No. 1305 (NS) 14 October, 1950

1. Reference: NRS, GHQ, SCAP Memorandum dated 3 Oct. 50, subject: "Authorized Use of Equipment from ex-Military Petroleum Refineries."

2. The Reparations Agency hereby submits to your Headquarters an application for movement and authorized use of reparations equipment mentioned below which are now lying idle in the Tokuyama Fuel Depot (Code No. 45-07) filed by the Wakayama Refinery, Toa Nenryo Kogyo K.K. (non-reparations plant), together with an application of the Ministry of Finance and a recommendation of the Ministry of International Trade and Industry as enclosed herewith.

	Third Vacuum Distillation Plant	2nd Aviation Lube Manufacturing Plant	Total
No. of Equipment	25 Items	99 Items	124 Items
No. of Valves	13 Items (161 pieces)	19 Items (528 pieces)	~~32 Items~~ 689 (pieces)
No. of Gas pipe	8 Items (1.165 m)	7 Items (3.979 m)	15 Items (5.144 m)
		Grand Total ~~372~~ Items	
		~~689 pieces (valve)~~	
		~~5.144 m (pipe)~~	

3. This application has been investigated and has been coordinated with other interested government agencies.

4. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(I. Katsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
a. Application of the Ministry of Finance.
b. Recommendation of the Ministry of I.T. & I.
c. Application of the subject company plant.

Incl 1

APPLICATION FOR MOVEMENT AND

AUTHORIZED USE OF DESIGNATED REPARATION

MACHINERY AND EQUIPMENT

LIST OF FACILITIES FOR APPLICATION

MANUFACTURING AND INDUSTRY FILE 115-7
Sec. IV B

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

LIST OF FACILITIES FOR APPLICATION

MANUFACTURING AND INDUSTRY FILE 45-7
Sec. IV B

TOA NENRYO KOGYO K. K.

(TOA OIL INDUSTRY CO., LTD.)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

LIST OF FACILITIES FOR APPLICATION

Code No: 45-07

Name of Plant: (1) ~~Third Naval~~ Tokuyama Fuel Dept.

Address of Plant: Tokuyama City, Yamaguchi Prefecture

1. Machinery

(1) Third Vacuum Distillation Plant

Inventory No.	Name of Machinery	Specifications	Quantity Set	Quantity Piece	Remarks
1 - 1	Steam Pump	Horizontal duplex double acting cast iron 3" x 2" x 3" Worthington for Fuel Oil		1	
2	"	Horizontal Simplex double act. cast iron 4" x 3½" x 6" Worthington for reflux oil		1	
3	"	Horizontal Simplex double act. cast steel 5" x 4½" x 6" for distillate oil		1	
4	Air Compressor	Vertical Simplex double act. 6" x 6" x 10" With air accumulator: Vertical Cylindrical		1	
5	Steam Pump	Horizontal double act. cast steel Hyhol 6" x 5" x 12" Hot oil transmission		1	
6	Steam Pump	Horizontal Simplex double act. Hyhol 6" x 5" x 12" Hot oil transmission		1	
7	Steam Pump	Horizontal Simplex double act. cast steel Worthington 4" x 3½" x 6" Distillate oil		1	
8	Steam Pump	Horizontal Simplex double act. cast iron			

2	"	Horizontal Simplex double act. cast iron 4" x 3½" x 6" Worthington for reflux oil	1
3	"	Horizontal Simplex double act. cast steel 5" x 4½" x 6" for distillate oil	1
4	Air Compressor	Vertical Simplex double act. 6" x 6" x 10" With air accumulator: Vertical Cylindrical	1
5	Steam Pump	Horizontal double act. cast steel Hyhol 6" x 5" x 12" Hot oil transmission	1
6	Steam Pump	Horizontal Simplex double act. Hyhol 6" x 5" x 12" Hot oil transmission	1
7	Steam Pump	Horizontal Simplex double act. cast steel Worthington 4" x 3½" x 6" Distillate oil	1
8	Steam Pump	Horizontal Simplex double act. cast iron Worthington 4" x 3½" x 6" Distillate oil	1
9	Steam Pump	Horizontal Simplex double act. cast steel Hyhol 5½" x 5" x 9" for crude oil	1
10	Steam Pump	Vertical Simplex double act. Weir. 4½" x 4" x 6" Oil transmission	1
11	Fractionating Tower	Vertical Tray 18, dia. 1.00M H: 15,000M	1
		With following equipment Heat exchanger Shell & Tube surface 2M² " " " " " " Steam ejector Barometric condenser Steam jet pump (primary & secondary)	
12	Cooler	Shell & coil, cooling surface 8M² dia. 1,13M, H: 1,43M for distillate oil	1
13	Heat Exchanger	Shell & Tube Tubes; admiralty Bronz Heating surface 5M² for distillate oil	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Specifications	Quantity Set	Quantity Piece	Remarks
1 - 14	Furnace	Foster Wheeler Type, Heating surface 12.4M^2 L 2.80m x W 2.80 x H 2.45		1	
15	Vacuum Receiver	Horizontal Cylindrical Cap: 12KL Dia: 1.00M L: 15M for distillate oil		1	
16	Vacuum Receiver	Horizontal Cylindrical for distillate oil		1	
17	Stack	Dia: 0.20M H: 18.00M plate thickness 5mm		1	
18	Structure				

(Item No.)						
511	4" Gate Valve	Body material cast iron	Trim material gun metal	Face to face dist. 280mm		3
512	3" Glove Valve	" "	soft steel	280		8
513	2" Gate Valve	" "	gun metal	200		5
514	2" Glove Valve	" "	"	130		4
515	1½" "	cast steel	special steel	200		21
516	1½" "	gun metal	gun metal	125		9
517	1" "	cast steel	special steel	170		20
518	1" "	gun metal	gun metal	90		5
519	¾" "	forged steel	special steel	125		28
520	¾" "	gun metal	gun metal	80		8
521	¾" "	forged steel	special steel	120		14
522	½" "	gun metal	gun metal	70		8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		cast iron				
512	3" Glove Valve	"	"	soft steel	280	8
513	2" Gate Valve	"	"	gun metal	200	5
514	2" Glove Valve	"	"	"	130	4
515	1½" "	cast steel		special steel	200	21
516	1½" "	gun metal		gun metal	125	9
517	1" "	cast steel		special steel	170	20
518	1" "	gun metal		gun metal	90	5
519	¾" "	forged steel		special steel	125	28
520	¾" "	gun metal		gun metal	80	8
521	¾" "	forged steel		special steel	120	14
522	½" "	gun metal		gun metal	70	8
523	3/8" "	"		"	50	28
524	10" Gas Pipe	Outside diameter 267 mm				50 m
525	4" "	114				50 m
526	3" "	89				~~50~~ 90 m
527	2" "	60				235 m
528	1½" "	49				310 m
529	1" "	34				100 m
530	¾" "	27				250 m
531	3/8" "	17				80 m

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Specifications		Quantity Set	Quantity Piece	Remarks
2 - 21	Oil Tank	Vertical Type 100 KL 5.70mø 4.50mH	thickness 9m/m		1	
22	Oil Tank	Vertical Type 50 KL 4.70mø 3.00mH	thickness 9m/m		1	
29	Oil Tank	Vertical Type 50 KL 4.70mø 3.70mH	thickness 7m/m		1	
30	Oil Tank	Vertical Type 50 KL 4.70mø 3.70mH	thickness 7m/m		1	
31	Oil Tank	Vertical Type 50 KL 4.70mø 3.70mH	thickness 7m/m		1	
32	Oil Tank	Vertical Type 50 KL 4.70mø 3.70mH	thickness 7m/m		1	
33	Oil Tank	Vertical Type 50 KL 4.70mø 3.70mH	thickness 7m/m		1	

Total 15 ~~sets~~ 13 items
12 pieces
13 items (164 valves)
8 " (~~1165~~ 1165m gas pipe)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

(21) 2nd Aviation Lube Manufacturing Plant

Inventory No.	Name of Machinery	Specification	Set Piece	Remarks
21 - 1	~~Steam Pump~~ Air Compressor ~~Recipro.~~	Air Compressor, Steam Driven, Horizontal Simplex double acting L 300 x W 100 x H 50 for gauge	1	
2	Steam Pump recipro.	Horiz. duplex double acting cast iron 10" x 6" x 10" for solvent transmission	1	
3	"	Hyhol, horiz. Simplex double act. cast steel for discharging solvent	1	
4	"	Hyhol, Horiz. Simplex double act. cast steel 10" x 5½" x 12" for reflux water	1	
5	"	Hyhol Simplex Horiz. double act. 6" x 4" x 10" with water jacket	1	
6	"	Hyhol, Horiz. Simplex double act. 6" x 4" x 10" for reflux water	1	
7	"	Hyhol Horiz. Simplex double act. cast steel 8" x 3½" x 8" for feeding water	1	
8	"	Horiz. Simplex double act. cast steel 10" x 7½" x 12" with water jacket for extract oil	1	
9	"	Hyhol Horiz. Simplex double act. 8" x 6" x 10" for refined oil	1	
10	"	Horiz. Simplex double act. cast iron 6½" x 3" x 6" for Fuel Oil	1	
11	"	Horiz. Simplex double act. cast iron 14" x 7½" x 12" for sending propane	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

		10" x 5½" x 12" for reflux water	
5	"	Hyhol Simplex Horiz. double act. 6" x 4" x 10" with water jacket	1
6	"	Hyhol, Horiz. Simplex double act. 6" x 4" x 10" for reflux water	1
7	"	Hyhol Horiz. Simplex double act. cast steel 6" x 3½" x 8" for feeding water	1
8	"	Horiz. Simplex double act. cast steel 10" x 7½" x 12" with water jacket for extract oil	1
9	"	Hyhol Horiz. Simplex double act. 8" x 6" x 10" for refined oil	1
10	"	Horiz. Simplex double act. cast iron 6½" x 3" x 6" for Fuel Oil	1
11	"	Horiz. Simplex double act. cast iron 14" x 7½" x 12" for sending propane	1
12	"	Horiz. double act. Simplex cast steel 10" x 5½" x 12" for crude oil	1
14	"	Horiz. Simplex double act. cast iron 6½" x 3" x 6" for feeding oil	1
15	"	Horizontal duplex double act. cast iron 10" x 6" x 10"	1
16	"	Horizontal duplex double act. cast iron 10" x 6" x 10" for circulating extract oil	1
17	"	Horizontal duplex double act. cast steel Hyhol 14" x 7½" x 12" feeding deasphalt oil	1
18	"	Horizontal Simplex double acting cast steel 14" x 7½" x 12" feeding solvent	1
19	"	Horizontal Simplex double act. cast steel 14" x 7½" x 12" for feeding propane	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Specifications	Quantity Set	Quantity Piece	Remarks
21 - 20	Steam Pump Recipro.	Horizontal duplex double act. cast iron 10" x 6" x 10" Transmission of raffinate		1	
21	"	Horizontal duplex double act. cast iron 6" x 4" x 10" for dirty oil		1	
22	"	Horizontal duplex double act. 10" x 6" x 10" for transmission of extract		1	
23	"	Horizontal duplex double act. 10" x 6" x 10"		1	
21 - 71	Propane Compressor	Horizontal Simplex double acting motor driven	1		
554	"	3 coolers (for propane) with induction			
		" " " excluding motor coolers "		1	
21 - 72	Overhead travelling crane	Hand operated 10 ton cap. Lift 7 m Span: ~~12.60~~ 12.60M Rail length 40M		1	
73	Water evaporator for solvent	Vertical Tray 9 T: 16m/m Evaporator of solvent system		1	
74	Propane Evaporator for separate oil	Tower, Vertical Tray 2, insulation thickness 70mm H: 11.39m D: 0.9m for evaporation of propane		1	
75	Propane Evaporator for extract	Vertical, Tray 2 0.9ø x 11.39H for evaporator of propane		1	
76	Solvent Evaporator for separated oil	Tower Vertical 1.16ø x 19.43H for evaporation of refining oil		1	
77	Solvent Evaporator for extract	Tray 10 1.60mø x 22.7H Insulation 85mm		1	
78	Induction Motor	Enclosed cage rotor 7.5HP 3 poles		1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

554		"	3 coolers (for propane) with induction		
		"	" " excluding motor coolers "		1
21 - 72		Overhead travelling crane	Hand operated 10 ton cap. Lift 7 m Span: ~~12.60~~ 12.60M Rail length 40M		1
	73	Water evaporator for solvent	Vertical Tray 9 T: 16m/m Evaporator of solvent system		1
	74	Propane Evaporator for separate oil	Tower, Vertical Tray 2, insulation thickness 70mm H: 11.39m D: 0.9m for evaporation of propane		1
	75	Propane Evaporator for extract	Vertical, Tray 2 0.9ø x 11.39H for evaporator of propane		1
	76	Solvent Evaporator for separated oil	Tower Vertical 1.16ø x 19.43H for evaporation of refining oil		1
	77	Solvent Evaporator for extract	Tray 10 1.60mø x 22.7H Insulation 85mm		1
	78	Induction Motor	Enclosed cage rotor 7.5HP 3 poles	1	
	79	"	Open 20HP, 3 phace 8 pole	1	
	80	Intermediate Receiver for separated oil	Extract Tank Vertical 1,886øm x 6,354H for rundown tank	1	
	81	Intermediate receiver for separated oil	Raffinate tank Vertical Cylindrical 1,886øm x 6,354H for rundown tank	1	
	82	Intermediate receiver for deasphalted oil	Horizontal Cylindrical 1.5mø x 4.00 for middle tank	1	
	83	"	Horizontal Cylindrical 1.5mø x 3.5mH	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Specifications	Quantity Set Piece	Remarks
21 - 84	Solvent Recycling tank	Horizontal Cylindrical 0.9mø x 8.124mH	1	
85	"	Horizontal Cylindrical 0.9mø x 8.124mH	1	
86	Condenser for solvent	Box Type Box L4.70m x W 860 x H 3.44 for solvent	1	
87	Condense for extract & separated oil	Horizontal Cylindrical L8.6xW2.5xH2.084m	1	
88	Water Receiver	Vertical Cylindrical 1.50mø x 5.00mH	1	
89	Separated oil receiver	Vertical Cylindrical 2.55mø x 3.00mH Receiving tank	1	
90	Extracted oil receiver	Vertical Cylindrical tank 2.55mø x 3.00mH Receiving tank	1	
91	Water condenser	Box type 6.40m L x 3.20m W x 3.48m H	1	
92	Boiler	Horizontal smoke tubuller smoke tube d.75mm x L 2.100m	1	
93	1st Propane condenser	Box type L 8.6m x W 4.3m x H 3.49m	1	
94	Propane tank	Horizontal Cylindrical ø 1.90m 1st propane receiving tank	1	
95	Propane Evaporator	Vertical, Tower ø 0.85m x H 8.18m	1	
96	Separation tank for Asphalt	Horizontal, Cylindrical ø 1.7m x L 7.5m	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

88	Water Receiver	Vertical Cylindrical 1.50mø x 5.00mH	1
89	Separated oil receiver	Vertical Cylindrical 2.55mø x 3.00mH Receiving tank	1
90	Extracted oil receiver	Vertical Cylindrical tank 2.55mø x 3.00mH Receiving tank	1
91	Water condenser	Box type 6.40m L x 3.20m W x 3.48m H	1
92	Boiler	Horizontal smoke tubuller smoke tube d.75mm x L 2.100m	1
93	1st Propane condenser	Box type L 8.6m x W 4.3m x H 3.49m	1
94	Propane tank	Horizontal Cylindrical ø 1.90m 1st propane receiving tank	1
95	Propane Evaporator	Vertical, Tower ø 0.85m x H 8.18m	1
96	Separation tank for Asphalt	Horizontal, Cylindrical ø 1.7m x L 7.5m	1
97	Propane Evaporator	Vertical Tower (Top d0.61xh4.65 (Bottom 1.55x6.25	1
98	Extracting Tower	Vertical ø 1.9m x H 22.88m	1
99	Washing tank for sepatated oil	Raffinate tank Horizontal Cylindrical ø 1,40m L:6,174m for washing of raffinate	1
100	Extract Oil washing tank	Horizontal Cylindrical ø 1,40m x L: 6,174m for washing of extract	1
101	2nd Propane receiver	Tank Horizontal Cylindrical ø 0.95 m x L:8.44	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Specifications	Quantity Set	Quantity Piece	Remarks
21 - 102	Solvent Heater	Shell & Tubes ø 0.52m L: 3,131m		1	
103	Extracted Oil cooler	Shell & Tube 320 x 75 x 75		1	
104	"	Shell & Tube ø 0.52m L:3,131		1	
105	2nd Propane receiver	Box condenser L: 8,60m W: 4.30m H: 3.48m		1	
112	Gas Holder	Water sealed Cap: 1,000m^3 ø 14.70m H: 6.60m for propane gas		1	
113	"	Water sealed Cap: 500m^3 ø 9.90m H: 6.60m for propane gas		1	
116	Tank	Vertical Cylindrical oil tank 100KL ø 5.75 m H:3.50m for oil storage with heating coil		1	
118	"	Vertical Cylindrical 250 KL ø 8.50m H: 6.00m Receiving extract with heat coil		1	
119	"	Vertical Cylindrical Cap: 500 KL ø 12.00m H: 6.50m for extract with heating coil		1	
121	Coal Feeder	Mechanical stoker screw conveyer under feed Induction motor: missing, with ventilator		1	
122	"	Mechanical stoker screw conveyer under feed. Induction motor: missing		1	
123	"	Mechanical stoker screw conveyer under feed. Induction motor: missing		1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

112	Gas Holder	ø 14.70m H: 6.60m for propane gas	1
113	"	Water sealed Cap: 500m^3 ø 9.90m H: 6.60m for propane gas	1
116	Tank	Vertical Cylindrical oil tank 100KL ø 5.75 m H:3.50m for oil storage with heating coil	1
118	"	Vertical Cylindrical 250 KL ø 8.50m H: 6.00m Receiving extract with heat coil	1
119	"	Vertical Cylindrical Cap: 500 KL ø 12.00m H: 6.50m for extract with heating coil	1
121	Coal Feeder	Mechanical stoker screw conveyer under feed Induction motor: missing, with ventilator	1
122	"	Mechanical stoker screw conveyer under feed. Induction motor: missing	1
123	"	Mechanical stoker screw conveyer under feed. Induction motor: missing	1
124	Hopper	Ash conveyer inclined chain conveyer 2 motor 5HP and chain and chain guide and Hopper : *Missing*	1
126	1st Heater	Shell & Tube ø 0.52m L: 3.13m for rafinate	1
127	"	Shell & Tube ø 0.52m L: 3.13m for rafinate	1
128	1st Heat Exchanger	Shell & Tube ø 0.52m L: 3.13m for extract & evaporating vapour	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Specification	Quantity Set	Quantity Piece	Remarks
21 - 129	1st Heat Exchanger	Shell & Tube ø 0.52m L: 3.13m for extract & Evap. tower vapor.	1		
130	Transformer	Outdoor ~~coil~~, oil immersed self cooling 75KVA 1 phase		1	
131	"	Outdoor oil immersed self cooling 75 KVA 1 phase without ~~oil~~		1	
132	"	Outdoor coil immersed self cooling 75 KVA 1 phase		1	
133	Reduction Gear	Coal conveyer Horizontal drag chain 15 Tons/H gear: 4 stage		1	
134	"	Coal conveyor 15Tons/H with reduction gear W 0.35m x L 18.00m : Chain	1		
135	Diffusion Tank	Oil tank Horizontal Cylindrical D: 1.60m L: 460m	1		
136	High Pressure Gas Separator	Water jacket gas separator 3.5KL ø 1.20m H: 1.70m	1		
137	Asphalt Heater	Double tube inside tube 1" gas pipe,	1		
138	Propane Heater	Shell & Tube ø 0.22m x L ~~2.36~~ 1.69m for propane	1		
139	Deasphalted Oil Heater	Shell & Tube ø 0.38m L: 2.60m	1		
140	"	Shell & Tube ø 0.38m x L 2.60m	1		
159	2nd Solvent Heater	Heating surface 20m^2 Shell & Tube	1		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		75 KVA 1 phase	
133	Reduction Gear	Coal conveyer Horizontal drag chain 15 Tons/H gear: 4 stage	1
134	"	Coal conveyer 15Tons/H with reduction gear W: 0.35m x L: 18.00m : Chain	1
135	Diffusion Tank	Oil tank Horizontal Cylindrical D: 1.60m L: 4.60m	1
136	High Pressure Gas Separator	Water jacket gas separator 3.5KL ø 1.20m H: 1.70m	1
137	Asphalt Heater	Double tube inside tube 1" gas pipe,	1
138	Propane Heater	Shell & Tube 1.69 ø 0.22m x L ~~1.69~~ m for propane	1
139	Deasphalted Oil Heater	Shell & Tube ø 0.38m L: 2.60m	1
140	"	Shell & Tube ø 0.38m x L 2.60m	1
159	2nd Solvent Heater	Heating surface 20m^2 Shell & Tube	1
160	Dewaxed Oil Cooler	Cooling surface 15m^2 2 passes	1
169	Tank	Horizontal Box 2.5KL 2.47 x 2.48 x 3.30m for oil storage	1
170	Gas Separator	Vertical Cylindrical Cap. ~~0.38~~ 0.80m^3 ø 0.35m x 0.85m	1
171	"	Vertical Cylindrical for propane gas	1
172	Oil Tank	Vertical Cylindrical Cap. 0.42m^3 ø 0.22m x H 1.20m for lube oil cooling	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Specifications	Quantity Set	Quantity Piece	Remarks
21 - 173	Oil Tank	Vertical Cylindrical, for lube oil circulation Cap. 0.94m^3 0.40mø x 0.75mH		1	
174	Oil Tank	Vertical Cylindrical, for cooling lube oil Cap. 0.42m^3 ø 0.22m x 1.20mH		1	
175	Oil Tank	Vertical Cylindrical, for lube oil circulation 0.94m^3 ø 0.40m x 0.75m		1	
187	Controlling Panel	Vertical manually controlling with oil circuit breaker. Other accessories are broken.		1	
188	"	Vertical manually controlling 1 oil circuit breaken and 2 current transformers. Other accessories are broken.		1	
190	Steel Structure			1	
191	Furnace	Pipe still combination L 9.00m x W 7.51m x H 5.05m		1	
20 - 2	Propane Tank	D: 1,400m x H ~~8,[illegible]~~ 8.3 m x T 25mm		1	
3	"	"		1	
4	"	"		1	
5	"	"		1	
(Item NO)					
441	12" Gate Valve	Body material cast steel Trim material gun metal Face to face dist. 400 m/m		1	
443	8" "	" stainless steel 300		2	
		270		18	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

	187	Controlling Panel	Vertical manually controlling with oil circuit breaker. Other accessories are broken. 1
	188	"	Vertical manually controlling 1 oil circuit breaken and 2 current transformers. Other accessories are broken. 1
	190	Steel Structure	1
	191	Furnace	Pipe still combination L 9.00m x W 7.51m x H 5.05m 1
20 -	2	Propane Tank	D: 1,400m x H 8.3 m x T 25mm 1
	3	"	" 1
	4	"	" 1
	5	"	" 1

(Item NO)

441	12" Gate Valve	Body material cast steel	Trim material gun metal	Face to face dist. 400 m/m	1
443	8" "	"	stainless steel	300	2
445	6" "	"	gun metal	270	18
447	4" Glove Valve	"	special steel	345	31
449	3" "	gun metal	gun metal	300	10
451	3" "	cast steel	gun metal	200	58
453	2½" "	"	special steel	270	79
455	2½" "	gun metal	gun metal	156	3
457	2" "	cast steel	special steel	230	138
459	1½" "	gun metal	gun metal	120	18
461	1"	"	"	90	35

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No. (Item No.)	Name of Machinery	Specifications		Quantity Set	Quantity Piece	Remark
463	1" Gate Valve	Body material, forged steel	Trim material, special steel	Face to face dist. 170	18	
465	¾" Glove Valve	"	"	170	29	
467	¾" "	"	"	60	35	
469	½" "	gun metal	gun metal	170	2	
471	½" "	forged steel	special steel	85	46	
473	3" Check Valve	cast iron	gun metal	288	2	
475	2" "	"	"	227	1	
477	1" Steam Trap Valve	"		340	2	
479	12" Gas Pipe	Outside Dia. 319			80m	
481	8" "	216			140	
483	5" "	140			60	
485	4" "	114			785	
487	2½" "	76			1,000	
489	1½" "	49			662	
491	¾" "	27			1,252	
Total				~~70~~ 71		~~Items sets~~
					~~28~~ 28	~~pieces~~
				19 Items	528 pieces	valves
				2 "	3979 m	pipe

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

469	½					
471	½"	"	forged steel	special steel	85	46
473	3"	Check Valve	cast iron	gun metal	288	2
475	2"	"	"	"	227	1
477	1"	Steam Trap Valve	"		340	2
479	12"	Gas Pipe	Outside Dia. 319			80m
481	8"	"	216			140
483	5"	"	140			60
485	4"	"	114			785
487	2½"	"	76			1,000
489	1½"	"	49			662
491	¾"	"	27			1,252

Total ~~70~~ 71 ~~Sets~~ Items

~~28~~ 28 ~~pieces~~ 7

19 Items 528 pieces valves

7 " 3979 m pipe

Total No. of Items 171

" pipes 5.144 km

" valves 689 pieces

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Movement and Authorized Use of Reparations Equipment of Tokuyama Fuel Depot (Code No. 45-07) Filed by Daikyo Oil Co., Ltd. (Non-reparations plant).

R.A.R. No. 1315 (MS) 11 October 1950.

1. Reference: G.H.Q., SCAP Memorandum dated 3 October 1950, subject: Authorized Use of Equipment from ex-Military Petroleum Refineries.

2. The Reparations Agency hereby submits to your Headquarters an application for movement and authorized use of 762 items (~~1461 items~~) of reparations equipment now lying idle in the Tokuyama Fuel Depot(Code No. 45-07) filed by the Daikyo Oil Co., Ltd. (non-reparations plant), together with an application of the Ministry of Finance and a recommendation of the Ministry of International Trade and Industry as enclosed herewith.

3. This application has been investigated and has been coordinated with other interested government agencies.

4. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Matsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
1. Application of the Ministry of Finance.
2. Recommendation of the Ministry of International Trade and Industry.
3. Application of the subject company.

Incl 2

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

LIST OF FACILITIES FOR APPLICATION

Code No. 45 - 07

Former ~~2nd Navy~~ Fuel Depot.
Takuyama

MANUFACTURING AND INDUSTRY FILE 45-7
dec 14 13

Code No. 45 - 07

Former ~~3rd Navy~~ Tokuyama Fuel Depot.

MANUFACTURING AND INDUSTRY FILE 45-7
Sec IV B

DAIKYO OIL CO., LTD.

31 August, 1950.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

LIST OF FACILITIES FOR APPLICATION

Code No. : 45 - 07

Name of Plant : Former Third Naval Fuel Depot.

Address of Plant : Tokuyama-city, Yamaguchi-prefecture

1. Machinery

Inventory No.	Name of Machinery	Brief Specifications	Quantity	Remarks
21(24)	Steam Pump	Horizontal Duplex Double Acting Cap. 9 K/H 6" x 5" x 6" Normal Press 5 Kg/Cm^2 Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax oil	1	55 Dewaxing Plant
~~21(25)~~	~~Steam Pump~~	~~Horizontal Duplex Double Acting Cap. 0.73 KL/H 3½" x 2½" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1½", Del. bore 1" Cylinder body; Cast iron~~	~~1~~	~~"~~
21(26)	Steam Pump	Vertical Simplex Double Acting Weir Cap. 1 KL/H 3½" x 3" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1", Del. bore 1" Cylinder body; Cast iron	1	" "
21(27)	Steam Pump	Vertical Simplex Double Acting Weir Cap. 1 KL/H 3½" x 3" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1", Del. bore 1" Cylinder body; Cast iron	1	" "
21(28)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal Press 5 Kg/Cm^2	1	56 "

21(24)	Steam Pump	Horizontal Duplex Double Acting Cap. 9 K/H 6" x 5" x 6" Normal Press 5 Kg/Cm^2 Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax oil	1	55 Dewaxing Plant
~~21(25)~~	~~Steam Pump~~	~~Horizontal Duplex Double Acting Cap. 0.73 KL/H 3$\frac{1}{8}$" x 2$\frac{1}{4}$" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1$\frac{1}{8}$", Del. bore 1" Cylinder body; Cast iron~~	~~1~~	~~" "~~
21(26)	Steam Pump	Vertical Simplex Double Acting Weir Cap. 1 KL/H 3$\frac{1}{8}$" x 3" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1", Del. bore 1" Cylinder body; Cast iron	1	" "
21(27)	Steam Pump	Vertical Simplex Double Acting Weir Cap. 1 KL/H 3$\frac{1}{8}$" x 3" x 4" Normal Press 10 Kg/Cm^2 Suc. bore 1", Del. bore 1" Cylinder body; Cast iron	1	" "
21(28)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal Press 5 Kg/Cm^2 Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding crude oil	1	56 "
21(29)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding solvent	1	" "
21(30)	Steam Pump	Horizontal Duplex Double Acting Cap. 12 KL/H 7$\frac{1}{8}$" x 5" x 6" Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For supplying solvent	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(31)	Steam Pump	Horizontal Duplex Double Acting Cap. 13 KL/H 8" x 5" x 10" Suc. bore 4", Del. bore 3" Normal press unknown Cylinder body; Cast iron	1	56 Dewaxing Plant
21(32)	Steam Pump	Horizontal Duplex Double Acting Cap. 25 KL/H 10" x 6" x 10" Normal press unknown Temp. 80°C Suc. bore 4", Del. bore 3" Cylinder body; Cast iron Note; For sending oil for first centrifugal separator	1	57 "
21(33)	Steam Pump	Horizontal Duplex Double Acting Cap. 12 KL/H 7½" x 5" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding oil for second centrifugal separator	1	" "
21(34)	Steam Pump	Horizontal Duplex Double Acting Cap. 13 KL/H 8" x 5" x 10" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding dewaxed oil	1	" "
21(35)	Steam Pump	Horizontal Duplex Double Acting Cap. 12 KL/H 7½" x 5" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding recovered oil	1	" "
21(36)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2½" x 4" Normal press unknown Suc. bore 2", Del. bore 1½" Note; For hot oil	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Note; For sending oil for first centrifugal separator		
21(33)	Steam Pump	Horizontal Duplex Double Acting Cap. 12 KL/H 7⅝" x 5" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding oil for second centrifugal separator	1	" "
21(34)	Steam Pump	Horizontal Duplex Double Acting Cap. 13 KL/H 8" x 5" x 10" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding dewared oil	1	" "
21(35)	Steam Pump	Horizontal Duplex Double Acting Cap. 12 KL/H 7⅝" x 5" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding recovered oil	1	" "
21(36)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2¾" x 4" Normal press unknown Suc. bore 3", Del. bore 1½" Note; For hot oil	1	" "
21(37)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2¾" x 4"	1	58 "
21(38)	Plunger Pump	Vertical Duplex single Acting Steam engine by belt driven Cap. 3 KL/H 5" x 7" Normal press unknown Suc. bore 3", Del. bore 1½" Cylinder body; Cast iron	1	" Recovering Plant
21(39)	Steam Pump	Horizontal Duplex Double Acting Cap. 13 KL/H 8" x 5" x 10" Normal press unknown	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
		Suc. bore 4", Del. bore 3" Cylinder body; Cast iron Note; For discharging dry solvent with float chamber float chamber: Vertical cylindical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 39 pump		
21(40)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For solvent of reflux with float chamber float chamber: Vertical cylindical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 40 pump	1	58 Recovering Plant
21(41)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax solvent with float chamber Float chamber: Vertical cylinderical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 41 pump	1	59 "
21(42)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Note; For solvent of reflux with float chamber float chamber: Vertical cylindical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 40 pump		
21(41)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax solvent with float chamber Float chamber: Vertical cylinderical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 41 pump	1	59 "
21(42)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For wax	1	" "
21(43)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder boay; Cast iron Note; For sending wax solvent to pre-heater with float chamber Float chamber: Vertical cylinderical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 43 pump	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(44)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding solvent of wax	1	59 Recovering Plant
21(45)	Steam Pump	Horizontal Duplex Double Acting Cap. 13 KL/H 8" x 5" x 10" Normal press unknown Suc. bore 4", Del. bore 3" Cylinder body; Cast iron Note; For feeding solvent	1	60 "
21(46)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2-3/4" x 4" Normal press unknown Suc. bore 2", Del. bore 1½" Cylinder body; Cast iron Note; For oil system hydrate solvent	1	" "
21(47)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2-3/4" x 4" Normal press unknown Suc. bore 2", Del. bore 1½" Cylinder body; Cast iron Note; For project oil with float chamber Float chamber: Vertical cylindrical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 47 pump	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

		Suc. bore 2", Del. bore 1½" Cylinder body; Cast iron Note; For oil system hydrate solvent			
21(47)	Steam Pump	Horizontal Duplex Double Acting Cap. 4 KL/H 4½" x 2-3/4" x 4" Normal press unknown Suc. bore 2", Del. bore 1½" Cylinder body; Cast iron Note; For project oil with float chamber Float chamber: Vertical cylindrical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 47 pump	1	"	
21(48)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding dewaxed oil pre-heated with float chamber Float chamber: Vertical cylindrical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 48 pump	1	" "	
21(52)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	61 Dewaxing Plant	
21(49)	Steam Pump	Porizontal Duplex, double acting Cap.8 KL/H 6"x4"x6" Suc.bore 3" Del.bore 2" Cylinder body: Cast iron Note: For Circulating Wax Oil	1	60 Dewaxing plant	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

21(48)	Steam Pump	Horizontal Duplex Double Acting Cap. 8 KL/H 6" x 4" x 6" Normal press unknown Suc. bore 3", Del. bore 2" Cylinder body; Cast iron Note; For feeding dewaxed oil pre-heated with float chamber Float chamber: Vertical cylindrical Dia: 0.600 M H: 1.050 M Note; Automatic controler of 48 pump	1	61 Dewaxing Plant	
21(52)	Centrifugal Separator	Duraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	61 Dewaxing Plant	
21(49)	Steam Pump	Horizontal Duplex, double acting Cap. 8 KL/H 6"x4"x6" Suc. bore 3" Del. bore 2" Cylinder body: Cast iron Note: For Circulating Wax Oil	1	60 Dewaxing plant	
21(50)	Steam Pump	Horizontal Duplex, double acting Cap. 14KL/H 7½"x6"x10" Suc. bore4" Del. bore 3" Cylinder body: Cast iron	1	60 Dewaxing plant	
21(51)	Steam Pump	Horizontal Duplex, double acting Cap. 4KL/H 4½"x2 3/4"x4" Suc. bore1½" Del. bore 1¼" Cylinder body: Cast iron	1	60 Dewaxing plant	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(53)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cyle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	61 Dewaxing Plant
21(54)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	62 〃
21(55)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	〃 〃
21(56)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	〃 〃

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

		enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken		
21(55)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	"
21(56)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	"
21(57)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	63 "
21(58)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(59)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	63 Dewaxing Plant
21(60)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	〃 〃
21(61)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	64 〃
226(24)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 45 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	〃 〃
226(25)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor	1	〃 〃

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Note; Switch brocken		
21(61)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	64 "
226(24)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 45 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 250 V 30 A Note; Switch brocken	1	" "
226(25)	Centrifugal Separator	Deraval ability 4.5 KW R.P.M. E 6,000 Cap. E 0.3 KL/H Note; With motor induction motor enclosed cage rotor 4.5 KW 3 Phase 200 V 14.8 A 4 Pole 60 Cycle 1.710 R.P.M. Switch box magnet push button 3 Pole 200 V 30 A Note; Switch brocken	1	" "
21(62)	Cooler	Shell & tubes Cooling surface 25m^2 Normal temp. unknown Normal press " Tube; Steel 2 passes inlet 2" outlet 2" Shell; Steel Dia; 0.45 M L: 5.00 M inlet 3" outlet 3" Note; For ammonia	1	65 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(63)	Cooler	Shell & tubes Cooling surface 50m² Normal temp. unknown Normal press " Tube; Steel 2 passes inlet 1"x4 outlet 4" Shell; Steel Dia; 0.50 M 2.380 M inlet 4" outlet 4" Note; For ammonia	1	65 Dewaxing Plant
21(64)	Condenser	Condensing surface 50m² Normal temp. unknown Normal press " Tube; Steel 2 passes inlet 2" outlet 2" Shell; Steel Dia; 0.78 M L: 5.10 M inlet 5" outlet 5" Note; For ammonia	1	" "
21(65)	Chiller	Double pipe ammonia cooler Cooling surface 162m² Normal temp. -26°C Normal press 16 Kg/Cm² inside pipe 6" S.T. pipe 12 passes with scroll conveyer Low temp. -26°C inlet 2" outlet 2" outside pipe 8" S.T. pipe High temp. -31°C inlet 2" outlet 8" Note; Cork insulation L; 13.00 M W; 1.00 M H; 2.00 M with motor and reduction gear motor E 10HP and reduction gear missing	1	66 "
21(66)	Chiller	Double pipe heat exchanger heat exchanging surface 162m² Normal temp. unknown	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Dia; 0.78 M L: 5.10 M inlet 5" outlet 5" Note; For ammonia		
21(65)	Chiller	Double pipe ammonia cooler Cooling surface 162m^2 Normal temp. -26°C Normal press 16 Kg/Cm^2 inside pipe 6" S.T. pipe 12 passes with scroll conveyer Low temp. -26°C inlet 2" outlet 2" outside pipe 8" S.T. pipe High temp. -31°C inlet 2" outlet 8" Note; Cork insulation L: 13.00 M W; 1.00 M H; 2.00 M with motor and reduction gear motor E 10HP and reduction gear missing	1	66 "
21(66)	Chiller	Double pipe heat exchanger heat exchanging surface 162m^2 Normal temp. unknown Normal press " inside pipe 6" S.T. pipe 12 passes with scroll conveyer Low temp. unknown inlet 2" outlet 2" outside pipe 8" S.T. pipe High temp. unknown inlet 2" outlet 8" Note; Cork insulation L: 13.00 M W: 1.00 M H: 2.00 M with motor and reduction gear motor E 10 HP and reduction gear missing	1	" "
21(67)	Heat Exchanger	Shell and tubes Heat exchanging surface 30m^2 Normal temp. unknown Normal press "	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specifications	Quantity	Remarks
		Tubes material unknown 2 passes Low temp. side inlet 3" outlet 3" Shell; Steel plate High temp. side inlet 3" outlet 3" Dia: 0.60 M L: 3.70 M Note; For		
21(68)	Cooler	Shell & tubes Cooling surface 25m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell; Steel plate inlet 3" outlet 3" Dia: 0.50 M L: 4.30 M Note: For supplying solvent	1	67 Dewaxing Plant
21(69)	Mixing Tank	Vertical cylindrical Cap. 35 KL Dia. 4.00 M H: 3.00 M Const. welded. Plate thickness 9 mm temp. 40°C Note; For with motor and gear coupling cast iron motor missing	1	"
21(70)	Wax Tank	Vertical box Cap. 12 KL. L: 467m W: 180m H: 1.50m Const. unknown Plate thickness E 9mm Note: For receiving wax	1	"
21(106)	Tower	Vertical tray Normal temp. 83°C Normal press unknown D: 0.76m H: 10.00m Volume 4.52m^2 Sheel thickness 7mm insulation	1	76 Recovering Plant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		inlet 3" outlet 3" Dia: 0.50 M L: 4.30 M Note: For supplying solvent		
21(69)	Mixing Tank	Vertical cylindrical Cap. 35 KL Dia. 4.00 M H: 3.00 M Const. welded. Plate thickness 9 mm temp. 40°C Note; For with motor and gear coupling cast iron motor missing	1	" "
21(70)	Wax Tank	Vertical box Cap. 12 KL. L: 467m W: 180m H: 1.50m Const. unknown Plate thickness E 9mm Note: For receiving wax	1	" "
21(106)	Tower	Vertical tray Normal temp. 83°C Normal press unknown D: 0.76m H: 10.00m Volume 4.52m^2 Sheel thickness 7mm insulation thickness 50mm solvent inlet 3" Vapor nozzle 3" Bottom nozzle 2½" Note; For solvent	1	76 Recovering Plant
21(107)	Tower	Vertical tray Normal temp. 80°C Normal press unknown D: 0.45m H: 6.60m Volume 1.04m^3 Shell thickness 9mm insulation thickness 50mm Solvent inlet 1½" Vapor nozzle 6" Bottom nozzle 3" Note; For wax system solvent	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(108)	Tower	Vertical tray Normal temp. 115°C Normal press unknown D: 0.45m H: 6.60m Volume 1.04m Shell thickness 50mm Solvent inlet 1½" Vapor nozzle 2" Bottom nozzle 1½" Note; For wax system solvent	1	77 Recovering Plant
21(109)	Tower	Vertical tray 8 Normal temp. 140°C Normal press unknown D: 0.76m H: 9.85m Volume 4.5m3 Shell thickness 6mm insulation thickness 50mm Solvent inlet 1½" x 7 Vapor nozzle 2½" Bottom nozzle 3" Note; For oil system solvent	1	"
21(110)		Cooling surface 50m2 Box L: 6.15m W: 1.53m H: 1.55m Volume 13m3 Plate thickness 12mm Tube gas pipe Out dia. 75 mm Total length 180mm Note; For dry solvent	1	"
21(114)	Oil Tank	Vertical cylindrical Cap. 100KL D: 5.75m H: 3.50m Const.: Reveted Plate thickness 10mm Note; For deasphalted oil with heating coil	1	78 Dewaxing Plant
21(115)	Oil Tank	Vertical cylindrical Cap. 100KL D: 5.75m H: 3.50m Const.: riveted Plate thickness 10mm	1	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Shell thickness 6mm Insulation thickness 50mm Solvent inlet 1½" x 7 Vapor nozzle 2½" Bottom nozzle 3" Note; For oil system solvent		
21(110)		Cooling surface 50m² Box L: 6.15m W: 1.53m H: 1.55m Volume 13m3 Plate thickness 12mm Tube gas pipe Out dia. 75 mm Total length 180mm Note; For dry solvent	1	" "
21(114)	Oil Tank	Vertical cylindrical Cap. 100KL D: 5.75m H: 3.50m Const.: Reveted Plate thickness 10mm Note; For deasphalted oil with heating coil	1	78 Dewaxing Plant
21(115)	Oil Tank	Vertical cylindrical Cap. 100KL D: 5.75m H: 3.50m Const.: riveted Plate thickness 10mm Note; For oil storage with heating coil	1	" "
21(117)	Oil Tank	Vertical cylindrical Cap. 100KL D: 5.75m H: 3.50m Const.: riveted Plate thickness 10mm Note; For deasphalted oil with heating coil	1	79 "
21(125)	Solvent Tank	Vertical cylindrical Cap. 15KL D: 2.50m H: 3.00m Const.: Riveted Plate thickness 7mm Note; For solvent storage	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(141)	Cooler	Shell and tubes Cooling surface 20m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 5" outlet 5" D: 0.65m L: 3.50m Note; For dry solvent	1	84 Recovering Plant
21(142)	Condenser	Shell & tubes condensing surface 5m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 2" Shell: Steel inlet 2" outlet 2" D: 0.25m L: 2.50m	1	85 "
21(143)	Condenser	Shell & tubes Condensing surface 10m^2 Normal temp. unknown Normal press " 2 passes inlet 3" outlet 3" Shell: Steel inlet 4" outlet 3" D: 0.35m L: 3.5m Note; For primary dryer of solvent	1	" "
21(144)	Pre-heater	Shell & tubes Heating surface 15m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 2" outlet 2" Shell: Steel inlet 4" outlet 4" D: 0.35m L: 3.5m Not; For solvent dryer	1	" "
21(145)	Pre-heater	Shell & tubes Heating surface 25m^2	1	86 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Shell: Steel inlet 2" outlet 2" D: 0.25m L: 2.50m		
21(143)	Condenser	Shell & tubes Condensing surface 10m^2 Normal temp. unknown Normal press " 2 passes inlet 3" outlet 3" Shell: Steel inlet 4" outlet 3" D: 0.35m L: 3.5m Note; For primary dryer of solvent	1	" "
21(144)	Pre-heater	Shell & tubes Heating surface 15m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 2" outlet 2" Shell: Steel inlet 4" outlet 4" D: 0.35m L: 3.5m Not; For solvent dryer	1	" "
21(145)	Pre-heater	Shell & tubes Heating surface 25m^2 Normal temp. unknown Normal press " 2 passes inlet 4" outlet 8" Shell: Steel inlet 10" outlet 4". D: 0.53m L: 3.5m Note; For solvent vapor oil system	1	86 "
21(146)	Condenser	Shell and tubes Condensing surface 25m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 4" outlet 3" Sholl: Steel	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
		inlet 10" outlet 4" D: 0.53m L: 3.50m Note; For dry solvent oil system		
21(147)	Condenser	Shell & tubes Condensing surface unknown Normal temp. " Normal press " Tubes material " 2 passes inlet 4" outlet 4" Shell: Steel inlet 10" outlet 4" D: 0.80m L:3.50m Note; For secondary dry solvent oil system	1	86 Recovering Plant
21(148)	Separator	Vertical Normal temp. unknown Normal press " D: 2.00m H: 1.80m Volume $5m^3$ Shell thickness E 10mm insulation thickness 40mm hot oil inlet 4" and 10" Vapor nozzle 10" Bottom nozzle 3" Note; For solvent vapor oil system	1	"
21(149)	Digester	Vertical cylindrical Normal temp. unknown Normal press " D: 1.20m L: 3.00m Volume 4KL Shell thickness E 10mm insulation thickness 3mm Vapor nozzle 4" Bottom nozzle 3" Hot oil inlet 3" Note; For solvent of oil system	1	87 "
21(150)	Condenser	Shell & tubes Condensing surface $25m^2$ Normal temp. unknown Normal press "	1	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Normal press D: 2.00m H: 1.80m Volume 5m^3 Shell thickness E 10mm insulation thickness 40mm hot oil inlet 4" and 10" Vapor nozzle 10" Bottom nozzle 3" Note; For solvent vapor oil system		
21(149)	Digester	Vertical cylindrical Normal temp. unknown Normal press " D: 1.20m L: 3.00m Volume 4KL Shell thickness E 10mm insulation thickness 3mm Vapor nozzle 4" Bottom nozzle 3" Hot oil inlet 3" Note; For solvent of oil system	1	57 "
21(150)	Condenser	Shell & tubes Condensing surface 25m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 10" outlet 10" D: 0.60m L: 2.30m Note; For secondary solvent oil system	1	" "
21(151)	Condenser	Shell & tubes Condensing surface 15m^2 Normal temp. unknown Normal press " Tubes material 2 passes inlet 4" outlet 3" Shell: Steel inlet 3" outlet 3" D: 0.40m L: 4.00m Note; For primary solvent oil system	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(152)	Cooler	Shell & tubes Cooling surface 25m² Normal temp. unknown Normal press " 2 passes inlet 6" outlet 3" Shell: Soft steel inlet 3" outlet 2" D: 0.60m L: 4.00m Note; For dry solvent	1	88 Recovering Plant
21(153)	Box Condenser	Condensing surface 10m² Box: L: 1.25m W: 1.25m H: 1.25m Volume 1.7m³ Plate thickness 9mm Tubes gas pipe outdia 50mm Total length 36m Note; For secondary solvent wax system	1	"
21(154)	Pre-heater	Shell & tubes Heating surface unknown Normal temp. " Normal press " Tubes material " 2 passes inlet 3" outlet 2" Shell: Steel inlet 6" outlet 6" D: 0.75m L: 2.50m Note; For solvent vapor wax system	1	"
21(155)	Condenser	Shell & tubes Condensing surface 25m² Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 10" outlet 10" D: 0.60m L: 3.00m Note; For secondary dryer	1	"
21(156)	Decanter	Vertical cylindrical Cap. 3.5KL D: 2.00m H: 1.20m Plate thickness 12mm	1	89 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

21(154)	Pre-heater	Shell & tubes Heating surface unknown Normal temp. " Normal press " Tubes material " 2 passes inlet 3" outlet 2" Shell: Steel inlet 6" outlet 6" D: 0.75m L: 2.50m Note; For solvent vapor wax system	1	" "
21(155)	Condenser	Shell & tubes Condensing surface 25m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 10" outlet 10" D: 0.60m L: 3.00m Note; For secondary dryer	1	" "
21(156)	Decanter	Vertical cylindrical Cap. 3.5KL D: 2.00m H: 1.20m Plate thickness 12mm	1	89 "
21(157)	Cooler	Shell & tubes Cooling surface 10m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 2" outlet 2" Shell: Steel inlet 3" outlet 2" D: 0.90m L: 1.20m Note; For solvent gas cooler	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(158)	Tower	Vertical Normal temp. 90°C Normal press unknown D: 0.90m H: 6.90m Volume 4m³ Shell thckness 7mm Hot oil inlet 4" Vapor nozzle 10" Bottom nozzle 2" Note; For evaporation of solvent	1	89 Recovering Plant
21(161)	Pre-heater	Shell & tubes Heating surface unknown Normal temp. " Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 2" outlet 1" D: 1.20m L: 2.00m Note; For oil	1	90 "
21(112)	Heater	Shall & tubes Heating surface 10m² Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 1" outlet 1" D: 0.38m L: 3.10m Note; For bottom oil	1	" "
21(163)	Heater	Shall & tubes Heating surface 5m² Normal temp. unknown Normal press " Tubes material " 2 passes inlet 4" outlet 1¼" Shell: Soft steel inlet 3/4" outside D: 0.45m L: 2.30m Note; For water	1	91 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

		Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 2" outlet 1" D: 1.20m L: 2.00m Note; For oil			
21(112)	Heater	Shall & tubes Heating surface 10m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 3" outlet 3" Shell: Steel inlet 1" outlet 1" D: 0.38m L: 3.10m Note; For bottom oil	1	" "	
21(163)	Heater	Shall & tubes Heating surface 5m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 4" outlet 1½" Shell: Soft steel inlet 3/4" outside D: 0.45m L: 2.30m Note; For water	1	91 "	
21(164)	Pre-heater	Shell & tubes Heating surface 10m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 2" outlet 2" Shell: Soft steel inlet 3/4" outlet ½" D: 0.40m L: 1.40m Note; For dewaxed oil	1	" "	
21(165)	Oil Tank	Horizontal box Cap. 6.3 KL L: 2.43m W: 1.80m Const.: Welded Plate thickness 6mm Note; For dewaxed oil storage	1	" Dewaxing Plant	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(166)	Oil Tank	Horizontal box Cap. 5KL L: 1.80m W: 1.80m H: 2.00m Plate thickness E 6mm Note; For recovered oil	1	91 Dewaxing Plant
21(167)	Oil Tank	Horizontal box Cap. 5KL L: 1.80m W: 1.80m H: 2.00m Const.: riveted Plate thickness E 6mm Note; For dewaxed oil solution tank	1	92 "
21(168)	Oil Tank	Horizontal box Cap. 5KL L: 1.80m W: 1.80m H: 2.00m Const.: riveted Plate thickness e 6mm Note; For wax oil solution with gear coupling motor E 5HP missing gear coupling; 1,200 R.P.M. 2 stage Note; Made by Shimazu in Japan	1	" "
21(169)	Oil Tank	Horizontal box Cap. 25KL L: 2.47m W: 2.48m H: 3.30m Const.: riveted Plate thickness E 9mm Note; For oil storage	1	" "
21(176)	Separating Tank	Vertical cylindrical Cap. 0.95m^3 D: 0.90m H: 1.50m Const.: Welded Plate thickness E 9mm Note; For ammonia	1	93 Recovering Plant
21(177)	Condanser	Shell & tubes Condensing surface 15m^2	1	" "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

21(168)	Oil Tank	Horizontal box Cap. 5KL L: 1.80m W: 1.80m H: 2.00m Const.: riveted Plate thickness e 6mm Note; For wax oil solution with gear coupling motor E 5HP missing gear coupling; 1,200 R.P.M. 2 stage Note; Made by Shimazu in Japan	1	" "	
~~21(169)~~	Oil Tank	Horizontal box Cap. 25KL L: 2.47m W: 2.48m H: 3.30m Const.: riveted Plate thickness E 9mm Note; For oil storage	1	" "	
21(176)	Separating Tank	Vertical cylindrical Cap. 0.95m^3 D: 0.90m H: 1.50m Const.: Welded Plate thickness E 9mm Note; For ammonia	1	93 Recovering Plant	
21(177)	Condanser	Shell & tubes Condensing surface 15m^2 Normal temp. unknown Normal press " Tubes material " 2 passes inlet 2" outlet 2" Shell: Steel inlet 4" outlet 4" D: 0.35m L: 3.63m Note; Dismantled	1	" "	
21(178)	Strainer	Vertical cylindrical Cap. unknown D: 0.40m H: 1.40m Const.: unknown Plate thickness E 6mm Note; For primary	1	94 "	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
21(179)	Strainer	Vertical cylindrical Cap. unknown D: 0.40m H: 1.40m Const.: unknown Plate thickness E 6mm Note; For secondary	1	94 Recovering Plant
21(180)	Gas Tank	Vertical cylindrical Cap. unknown D: 1.22m H: 2.30m Const.: Riveted Plate thickness 6mm	1	〃 〃
21(181)	Transformer	Out door immersed self cooling 35KVA 1 Phase PV 2450-3300-3150-3000-2850V SU 205-105V 1 MPV at 35°C 205% Note; Without oil	1	〃 Detaxing Plant
21(182)	Oil Tank	Vertical cylindrical Cap. 1KL D: 0.90m H: 1.52m Const.: Welded Plate thickness 6mm Note; For cleaning oil	1	〃 〃
21(183)	Water Tank	Vertical cylindrical Cap. 1 KL D: 0.90m H: 1.52m Const.: Welded Plate thickness E 6mm Note; For hot water	1	〃 〃
21(184)	Oil Tank	Vertical cylindrical Cap. 1 KL D: 0.90m H: 1.52m Const.: Welded Plate thickness 6mm Note; For oil	1	95 〃
21(185)	Oil Tank	Vertical cylindrical Cap. 2.2 KL D: 1.20m H: 2.50m Const.: Riveted Plate; with coil	1	〃 〃

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

21(182)	Oil Tank	Vertical cylindrical Cap. 1KL D: 0.90m H: 1.52m Const.: Welded Plate thickness 6mm Note; For cleaning oil	1	〃 〃	
21(183)	Water Tank	Vertical cylindrical Cap. 1 KL D: 0.90m H: 1.52m Const.: Welded Plate thickness E 6mm Note; For hot water	1	〃 〃	
21(184)	Oil Tank	Vertical cylindrical Cap. 1 KL D: 0.90m H: 1.52m Const.: Welded Plate thickness 6mm Note; For oil	1	95 〃	
21(185)	Oil Tank	Vertical cylindrical Cap. 2.2 KL D: 1.20m H: 2.50m Const.: Riveted Plate; with coil	1	〃 〃	
21(186)	Separating Tank	Vertical cylindrical Cap. 1.3m³ D: 1.05m H: 1.80m Const.: Welded Plate thickness E 10mm Note; For separating solvent from steam of wax system	1	〃 〃	
21(189)	Controling Panel	Vertical Controling 1½" pipe Frame works 3 marble plates H: 2.30m W: 0.60m thickness 40mm 1 set consists of 3 pieces consisting of 1 oil circuit breaker cap 100A 250V 3 Phase	1	96 Recovering Plant	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

Inventory No.	Name of Machinery	Brief Specifications	Quantity	Remark
		1 Handle breaker 2 Current transformer 75-5 A 1 Voltmeter missing 1 Ammeter missing 1 Pilot Lamp missing 2 Trip coil 2 Rotary switch		
241(143)	Ammonia Receiver	Horizontal Cylindrical Cap. 2.45 KL D: 0.85m L: 2.60m Const: Welded Plate thickness 17mm	1	677

~~Item~~ Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
442		3 piece of 10" gate valve body; Cast iron face to face 358mm trim; Stainless steel		Unknown
444		1 piece of 6" glove valve body; Cast steel face to face 350mm trim; Special steel		"
446		1 piece of 5" gate valve body; Cast steel face to face 230mm trim; Gun metal		"
448		19 piece of 4" gate valve body; Cast steel face to face 230mm trim; Special steel		"
450		99 piece of 3 glove valve body; Cast steel face to face 285mm trim; Special steel		"
452		8 piece of 2½" glove valve body; Gun metal face to face 168mm trim; Gun metal		"
454	Ammonia Compressor	24 piece of 2½" gate valve body; Cast steel face to face 19mm trim; Special steel		"
456		68 piece of 2" glove valve body; Gun metal face to face 140mm trim; Gun metal		"
458		1 piece of 2" gate valve body; Cast steel face to face 250mm trim; Special steel		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

448

19 piece of
4" gate valve body; Cast steel
face to face 230mm trim; Special steel

450

99 piece of
3 glove valve body; Cast steel
face to face 285mm trim; Special steel

452

8 piece of
2½" glove valve body; Gun metal
face to face 168mm trim; Gun metal

454

24 piece of
2⅛" gate valve body; Cast steel
face to face 19mm trim; Special steel

456

68 piece of
2" glove valve body; Gun metal
face to face 140mm trim; Gun metal

458

1 piece of
2" gate valve body; Cast steel
face to face 250mm trim; Special steel

460

91 piece of
1½" glove valve body; Cast iron
face to face 196mm trim; Special steel

462

95 piece of
1" glove valve body; Forged steel
face to face 175mm trim; Special steel

464

46 piece of
3/4" glove valve body; Gun metal
face to face 80mm trim; Gun metal

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Inventory No.	Name of Machinery	Brief Specification	Quantity	Remarks
466		56 piece of 3/4" glove valve body; Forged steel face to face 135mm trim; Special steel		Unknown
468		38 piece of ½" glove valve body; Forged steel face to face 70mm trim; Special steel		"
470		95 piece of ¾" glove valve body; Forged steel face to face 120mm trim; Special steel		"
472		1 piece of 4½" check valve body; Cast iron face to face 345mm trim; Gun metal		"
474		2 piece of 2½" check valve body; Cast iron face to face 265mm trim; Gun metal		"
476		1 piece of 4" check valve body; Cast iron face to face 345mm trim; Gun metal		"
478		10 piece of 1" steam trap body; Cast iron face to face 280mm		"
480		10" gas pipe outside dia. 267mm total length 16m		"
482		6" gas pipe outside dia 165mm total length 490m		"
484		4½" gas pipe outside dia 127mm total length 100m		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

face to face 345mm trim; Gun metal

478 10 piece of
1" steam trap body; Cast iron
face to face 280mm "

480 10" gas pipe
outside dia. 267mm
total length 16m "

482 6" gas pipe
outside dia 165mm
total length 490m "

484 1½" gas pipe
outside dia 127mm
total length 100m "

486 3" gas pipe
outside dia 89mm
total length 1380m "

488 2" gas pipe
outside dia 60mm
total length 2000m "

490 1" gas pipe
outside dia 34mm
total length 808m "

492 ½" gas pipe
outside dia 22mm
total length 496m "

TOTAL

Name	Item Total	Quantity Total
Machineries	~~26~~	~~26~~ (pieces)
Valves	18	648 "
Steam Traps	1	10 "
Pipes	7	7 (5,300 M.) "

Total Number of Items 122 (762 pieces)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Movement and Authorized Use of Reparations Equipment of Tokuyama Fuel Depot (Code No. 45-07) Filed by Kawasaki Refinery, Showa Oil Co., Ltd. (Non-reparations Plant).

R.A.R. No. 1317 (MS) 11 October 1950.

1. Reference:

ESS, GHQ, SCAP Memorandum dated 3 October 1950, subject: "Authorized Use of Equipment from ex-Military Petroleum Refineries".

2. The Reparations Agency hereby submits to your Headquarters an application for movement and authorized use of ~~[illegible]~~ §193 ~~[illegible]~~ tons of reparations equipment now lying idle in the Tokuyama Fuel Depot (Code No. 45-07) filed by the Kawasaki Refinery, Showa Oil Co., Ltd. (Non-reparations plant), together with an application of the Ministry of Finance and a recommendation of the Ministry of International Trade and Industry as enclosed herewith.

3. This application has been investigated and has been coordinated with other interested government agencies.

4. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
a. Application of the Ministry of Finance.
b. Recommendation of the Ministry of International Trade and Industry.
3. Application of the subject Kawasaki Refinery.

Incl 4

LIST OF FACILITIES FOR APPLICATION (No. I)

Code No.: 45-7
Name of Plant: Former ~~Third Navy~~ Tokuyama Fuel ~~Arsenal~~ Depot
Address of Plant: Shingu-cho Aza, Tokuyama Ohaza, Tokuyama-City, Yamaguchi-Prefecture.

1. Machinery

Inv. No.	Name of Machinery	Brief Specifications	Quantity	Remarks
(1)45-7-332	5th Boiler Plant		1	The 5th Boiler Plant is permitted to remove into Kawasaki refinery of Showa Oil Co., Ltd. by Memorandum 463.8(11 Aug. 50) ESS/IND.
332-(1)	Ash Discharging Equipment	Cap. 4 Tons/hr. with motor chain width 0.3M L 18M	1	
-(2)	Steam Pump	Cap. 2KL/hr. $4\frac{1}{2}$" x $2\frac{3}{4}$" x 4"	"	
(3)	"	"	"	
(4)	Boiler Lancashire	Evap. Cap. 2 Tons/hr. 2.7Mø x L9M Normal Press 7Kg/cm^2	"	
(5)	Ash Discharging Equipment	Cap. 4 Tons/hr. 5 h.p. Chain width 0.3M L 23M	"	with motor
(6)	Reduction Gear	Speed Ratio 1 : 50	"	
(7)	Steam Pump	Cap. 35KL/hr. $9\frac{1}{2}$" x 8" x 12"	"	
(8)	Winch	Cap. 2 Tons 10 h.p.	"	with motor
		7.5 h.p.	"	"

MANUFACTURING AND INDUSTRY FILE 45-7 Sec. II 8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

332-(1)	Ash Discharging Equipment	chain width 0.3M L 18M		Ltd. by Memorandum 463.8(11 Aug. 50) E3S/IND.
-(2)	Steam Pump	Cap. 2KL/hr. $4\frac{1}{2}$" x $2\frac{3}{4}$" x 4"	"	
(3)	"	"	"	
(4)	Boiler Lancashire	Evap. Cap. 2 Tons/hr. 2.7Mø x L9M Normal Press 7Kg/cm^2	"	
(5)	Ash Discharging Equipment	Cap. 4 Tons/hr. 5 h.p. Chain width 0.3M L 23M	"	with motor
(6)	Reduction Gear	Speed Ratio 1 : 50	"	
(7)	Steam Pump	Cap. 35KL/hr. $9\frac{1}{2}$" x 8" x 12"	"	
(8)	Winch	Cap. 2 Tons 10 h.p.	"	with motor
(9)	Coal Loading Equipment	7.5 h.p.	"	"
(10)	Mechanical Stoker		"	
(11)	Boiler Takuma	Water Drum 1.2Mø x L3.95M Steam Drum 1.42mø x L4.33M	"	Evap. Cap. 10Tons/hr. Normal Press.14kg/cm^2
(12)	"	"	"	"
(13)	"	"	"	"
(14)	Mechanical Stoker		"	
(15)	"		"	
(16)	Coal Banker	Cap. 20 Tons	ø[1]	missing
(17)	"	"	1	
(18)	"	"	"	
(19)	Coal Conveyer	Cap. 15 Tons/hr.- 7.5 h.p.	"	with motor
(20)	Coal Distributor	Cap. 15 Tons/hr. 5 h.p.	"	"

MANUFACTURING AND INDUSTRY FILE 4-5-7 Sec IV 8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

LIST OF FACILITIES FOR APPLICATION (No. 1)

(Continued)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
332-(21)	Steam Pump	Cap. 40 KL/hr. 12" x 10" x 18"	1	
(22)	Induction Motor	15 h.p.	"	
(23)	"	7.5 h.p.	"	
(24)	"	"	"	
(25)	Steam Engine	Cylinder Dia 6" Stroke 8" 360RPM	"	
(26)	Turbine Pump	Cap. 45 KL/hr. Head 180M 45 KW	"	with motor
(27)	Water Softening Apparatus	Cap. 22 KL/hr. 1.6Mø x H 2.5 M x 7 mmt	"	with turbine pump and motor (2h.p.)
(28)	Coal Transmitter	Cap.12 Tons/hr. 10 h.p.	"	with motor
(29)	"	Cap. 12 Tons/hr. 7.5 h.p.	"	"
(30)	Coal Lift	Cap. 2 Tons 15 h.p.	"	"

Remarks; In addition, all of bricks, construction steel beam and piping parts of this plant are included.

Total 30 ~~32~~

Inv. No.	Name of Machinery	Brief Specifications	Quantity	Remarks

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

(23)	"	7.5 h.p.	"	
(24)	"	"	"	
(25)	Steam Engine	Cylinder Dia 6" Stroke 8" 360RPM	"	
(26)	Turbine Pump	Cap. 45 KL/hr. Head 180M 45 KW	"	with motor
(27)	Water Softening Apparatus	Cap. 22 KL/hr. 1.6Mø x H 2.5 M x 7 mmt	"	with turbine pump and motor (2h.p.)
(28)	Coal Transmitter	Cap.12 Tons/hr. 10 h.p.	"	with motor
(29)	"	Cap. 12 Tons/hr. 7.5 h.p.	"	"
(30)	Coal Lift	Cap. 2 Tons 15 h.p.	"	"

Remarks; In addition, all of bricks, construction steel beam and piping parts of this plant are included.

Total 30 ~~32~~

Inv. No.	Name of Machinery	Brief Specifications	Quantity	Remarks
(2)45-7-297-(1)-(16)	Oil Tanks	Horizontal 4.5 Mø x L 8.3M x t 10 mm	16	Cap. 100KL/
(3)45-7-239(12)	Turbine Pump	Cap. 400KL/hr. Head 35m Stage 1	1	none motor
-239(13)	"	"	"	"
-239(14)	"	"	"	"
-704		200 KL/hr. Head 23.5m 40 KW	"	with motor & Switch

Total 20

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

LIST OF FACILITES FOR APPLICATION (No. 1)

(Continued)

Inv. No.	Name of Machinery	Brief Specification	Quantity	Remarks
2635	10" gate valve	Body cast steel Face to face 500 mm	1	
2636	8" globe valve	Body cast steel (E) Face to face 550 mm	2	
2637	6" globe valve	Body cast steel (E) 500 mm	7	
2638	4" "	" (E)	3	
2639	4" gate valve	Body cast iron 220 mm	1	
2640	5" "	" 250 mm.	4	
2641	3" "	" 200 mm	18	
2642	4 1/2" "	" 350 mm	2	
2643	3" globe valve	Body gun metal 250 mm	2	
2644	2 1/2" "	Body cast steel 280 mm (E)	4	
2645	2" "	" 250 mm (E)	9	
2646	2" "	gun metal 220 mm (E)	17	
2647	1 1/2" "	" 200 mm	1	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

2638	4"	"	"	(E)	3
2639	4" gate valve	Body cast iron	220 mm		1
2640	5" "	"	250 mm.		4
2641	3" "	"	200 mm		18
2642	4 1/2" "	"	350 mm		2
2643	3" globe valve	Body gun metal	250 mm		2
2644	2 1/2" "	Body cast steel	280 mm	(E)	4
2645	2" "	"	250 mm	(E)	7
2646	2" "	gun metal	220 mm	(E)	17
2647	1 1/2" "	"	200 mm		1
2648	1" globe valve	Body gun metal	Face to face 90 mm	(E)	6
2649	3/4" "	"	160 mm		1
2650	" "	Cast steel	150 mm	(E)	7
2651	" "	Gun metal	90 mm		5
2652	1/2" "	"	90 mm	(E)	15
2653	2" steam trap	Cast iron	450 mm	(E)	6
2654	1" "	"	400 mm	(E)	11
2655	1" "	"			3
2656	3/4" "	"	400 mm		1
2657	2 1/2" check valve	Cast steel	250 mm	(E)	3
2658	10" steel pipe	Outside dia. 260 mm			10 m

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

2659	6" steel pipe	Outside Dia.	160 mm	30 m
2660	4 1/2" "	"	120 mm	35 m
2661	2 1/2" "	"	70 mm	65 m
2662	1 1/2" "	"	45 mm	25 m
2663	5" gas pipe	"	145 mm	35 m
2664	3" "	"	89 mm	(E) 385 m
2665	2" "	"	60 mm	(E) 100 m
2666	1" "	"	34 mm	(E) 30 m
2667	3/4" "	"	27 mm	40 m
2668	1/2" "	"	22 mm	15 m
2669	8" "	"	216 mm	(E) 80 m
2670	6" "	"	165 mm	(E) 685 m
2671	4" "	"	114 mm	(E) 420 m

~~Total~~ Valve ~~129~~

Pipe ~~14~~

~~Grand Total~~ ~~195~~

Grand Total No. of Items: ~~193~~

87 items (193 pieces)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77 5013

2666	1"	"	"	34 mm	(E)	30 m
2667	3/4"	"	"	27 mm		40 m
2668	1/2"	"	"	22 mm		15 m
2669	8"	"	"	216 mm	(E)	80 m
2670	6"	"	"	165 mm	(E)	85 m
2671	4"	"	"	114 mm	(E)	420 m

~~Total~~ ~~Valve 129~~

~~Pipe 14~~

~~Grand Total~~ ~~195~~

Grand Total No. of Items: ~~193~~

87 Items (193 pieces)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Investigation on Tanks
(for Taiyo Fishing Co., Ltd.)

A. Taiyo Fishing Co., Ltd., Shimonoseki Shi.

Code No.	Capacity	Type	Quantity
45-07-13	450	Vertical	1
-14	100	-Ditto-	1
-15	100	-Ditto-	1
-16	150	-Ditto-	1
-17	150	-Ditto-	1
-18	100	Horizontal	1
-19	100	-Ditto-	1
-20	150	Vertical	1
Total			8

45-7 SEC. IX B

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

B. Out of Pref.

Location	Code No.	Capacity	Type	Quantity	Remarks
67, Kibachi-cho, Nagasaki-shi	Nil	100 K.L.	Vertical	1	Administration over these tanks was transferred by the Hiroshima Financial Bureau to Fukuoka Financial Dep. on June 29, 1949.
-Ditto-	Nil	100 K.L.	-Ditto-	1	
-Ditto-	Nil	100 K.L.	Horizontal	1	
This info phoned to Kyushu CAR 16 May 50					
Nigata-cho, Kure-shi	Nil	500 K.L.	Vertical	1	- " - to Kure Branch, Hiroshima Financial Bureau on May 20, 1949.
Tanoura, Yokosuga-shi	Nil	100 K.L.	Horizontal	1	Administration over these tanks was transferred by the Hiroshima Financial Bureau to Tokyo Financial Dept. on June 29, 1949.
-Ditto-	Nil	100 K.L.	-Ditto-	1	
-Ditto-	Nil	100 K.L.	-Ditto-	1	
Tanoura, Yokosuga-shi	Nil	150 K.L.	Vertical	1	
-Ditto-	Nil	500 K.L.	-Ditto-	1	

Total 10

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

When the investigation was made at Tokuyama on May 4, 1950, report was made that sixteen(16) tanks were carried out from Ex-3rd Naval Fuel Depot by Taiyo Fishing Co., Ltd. But, hereby, they are corrected as eighteen(18) tanks.

M. Nishino

MASAHIKO NISHINO

Chief,
Tokuyama Property Custodian Branch
Yamaguchi Finance Office,
Chugoku Finance Bureau.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HEADQUARTERS
CHUGOKU CIVIL AFFAIRS REGION
APO 248 (Kure, Honshu)

D/RPL/fk

CCAR 386.3

3 April 1950

MEMORANDUM FOR: Hiroshima Finance Bureau, Tokuyama Branch

THROUGH: Chugoku Liaison and Coordination Office

SUBJECT: Removal of Exempt Machinery

1. Reference is letter Hiroshima Finance Bureau, RFL No. 0-34, 20 March 1950, subject: "Application for Movement of EX Items - Tokuyama Fuel Depot".

2. Approval is granted for the removal of one (1) "EX" Oxygen Separator from Tokuyama 3rd Naval Fuel Depot to Kokura Factory, Kyushu Electric Industrial Company.

3. Custodial records, as required by SCAPIN 1938, will be maintained.

FRANK KOWALSKI, JR
Colonel, Inf
Chief

L-54
SCAP IM B
Subject File
Adk
ECON 906

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HIROSHIMA FINANCE BUREAU

SYM/th

KFL No. O-34

20 March 1950

To : Chugoku Civil Affairs Region
Attn. Economic Section

Through: Chugoku Liaison and Coordination Office

Subject: Application for Movement of EX-Items-Tokuyama Fuel Depot

1. Transmitted herewith is an application for movement of EXEMPT oxygen producing facility from the former 3rd. Naval Fuel Depot, Tokuyama City to Kokura Factory, Kyushu Electric Industry K.K.

2. High consideration on this matter will be greatly appreciated.

Yamanaka

SHIZUSO YAMANAKA
Chief of Liaison Section
Hiroshima Finance Office

Enclosure:
As indicated in para 1 above.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

To: Commanding Officer,
Chugoku Civil Affairs Region

Subject: Application for the authority to carry out the oxygen generater (Ex)

---

1. Cause:

Lately I bought the oxygen generater belonging to the Otu-Island Base Force of Hikari Arashi Corps in last war-time, which had been returned Dec. 29, 1945, from the Hiroshima Finance Office.

Excuse me, I present the petition for carrying it out, since I should like to use it in order to generate the oxygen at the Kokura Factory of Kyushu Electric Industrial Co., Ltd., which is situated at 425, Itabitu-machi, Kokura, Fukuoka Prefecture.

2. Location at which the oxygen generater is situated now:

a) Ex-3rd Naval Fuel Depot. Shingu-cho, Tokuyama-shi.
b) Being not registered, it has not Ex-number.
c) Apparatus had been were transfered from the Otsu Island before the Ex-3rd Naval Fuel Depot was desiguated as reparation facilities.
(Permission of release of the Otsu Island is as per reparate paper)

3. Contents of Apparatus transfered:

Name	Number of set
Air-compresser	1
Air-purifier	1
Water-oil separater (water cold system)	1
Dryer	1
Oxygen separater	1
Heater	1
Oxygen compresser	1
Tank of lubrication oil	1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

4. Carrying period:

From March 14, 1950 to April 15, 1950

Yours respectfully,

T. Ikeda

Tunezi Ikeda

Frspensible persen,
Kyushu Electric Industrial Co.,
Ltd.
2 , Funatu-machi, Fukuoka.

M. Nishino

Masahike Nishino

Chief, Tokuyama Property
Custodian Branch, Yamaguchi
Branch, Hiroshima Finance
Office.

R. Hayashida

Ryuki Hayashida
Director,
Hiroshima Finance Office.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

AGO 004.04 (15 May 46) ESS/IN
(SCAPIN-1230-A)

APO 500
15 May 1946

Memorandum for: The Imperial Japanese Government

Through: Central Liaison Office, Tokyo

Subject: Release of Oxygen Separater in former Naval Installations

1. Reference is made to C.L.O.No. 70 (PP) subject: "Turning over of Oxygen Separaters in the former Naval Installations" requesting release of oxygen separaters in former naval installation to the Imperial Japanese Government for the purpose of increasing production of calcium cyanamics, a nitrogen fertilizer.

2. The following oxygen separaters located in former Japanese Naval Installations will be released to the Ministry of Home Affairs of the Imperial Japanese Government.

Location	Sets	Oxygen Capacity M3/Hour
Naval Torpedo School, Taura, Yokosuka City.	2	100
Yokosuka Naval Supply Depot, Taura, Yokosuka City.	1	100
Yokosuka Naval Arsenal, Taura, Yokosuka City.	2	100
Hikari Naval Arsenal, Kudamatsu City, Yamaguchi Pref.	2	100
Hikari Naval Arsenal, Kudamatsu City, Yamaguchi Pref.	1	100
Maizuru Naval Supply Depot, Maizuru City.	1	100
Kure Naval Arsenal, Otsushima.	(2)	100

For the Supreme Commander:

Received: 16 May

Shukan: PP

Copy: PP.EA.ECI.

B.M. FIT(r)

Prigadier General AGD

Nakmu Okura Shoko

Aajutant general

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

AGMEM 386.3 4th Ind
SUBJECT: Oil Storage Facilities (8 Dec 1948)

Headquarters Eighth Army, APO 343

TO: Commanding General, I Corps, APO 301

1 Incl:
n/c

M.N.H.

AG 463 - BA 5th Ind

Hq I Corps, APO 301 SD/tn

TO: CO, Chugoku Mil Govt Region, APO 248

Attention is invited to paragraph 2 and 3 of 3rd indorsement.

BY COMMAND OF MAJOR GENERAL COULTER:

1 Incl:
n/c

A. SEIPEL
Lt. Col, AGD
Asst Adj General

CMGR 386.3 (D-Ki) 6th Ind

Headquarters Chugoku Military Government Region, APO 248, Kure, Honshu, 23 March 1949.

TO: Commanding Officer, Yamaguchi Military Government Team, APO 248

Forwarded for your information.

BY ORDER OF COLONEL SNYDER:

1 Incl:
n/c

JERRY W. TOM
1st Lt, USAF
Adjutant

MANUFACTURING AND INDUSTRY FILE

ECONOMICS
M.G. MR
L.R.
O&T.
M&I.
LABOR
C.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Ltr, Yamaguchi MG Team, Serial No. 1662-B, subj: Oil Storage Facilities, 8 December 1948

AG 387.6(8 Dec 48)ESS/IND 3rd Ind

GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS, APO 500
8 March 1949

TO: Commanding General, Eighth Army, APO 343

1. References are:

a. Letter from General Headquarters, Supreme Commander for the Allied Powers to Commanding General, Eighth Army, AG 387.6(20 Oct 47)REP, October 1947.

b. Letter from General Headquarters, Supreme Commander for the Allied Powers to Commanding General, Eighth Army, AG 387.6(20 Mar 48)REP, subject: Oil Storage Tanks Owned by the Japanese Army or Navy, 20 March 1948.

c. Letter from General Headquarters, Supreme Commander for the Allied Powers to Commanding General, Eighth Army, AG 387.6(20 Oct 47)REP, subject: Oil Storage Tanks Owned by the Japanese Army or Navy, 16 July 1948.

2. Subject eight (8) oil storage tanks formerly owned by Japanese Naval Munition Board do not come within categories outlined in paragraph 2 of reference 1b, therefore request made in paragraph 4 of basic is not favorably considered.

3. No objection is offered to the continued use of subject tanks on temporary basis by the Taiyo Fishing Company, pending final reparation action.

BY COMMAND OF GENERAL MacARTHUR:

1 Incl:
n/c

/s/ J. W. Williams
/t/ J. W. WILLIAMS
Major, AGD
Asst Adj Gen

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

BASIC: Ltr, Hqs Yamaguchi Mil Govt Team, APO 317, Serial No. 1662-B, subject: "Oil Storage Facilities", dated 8 December 1948

AGMGEM 386.3 2nd Ind

Headquarters Eighth Army, APO 343, 3 Jan 1949

TO: Supreme Commander for the Allied Powers, APO 500
(Attn: ESS/IND)

1. References:

a. Letter from General Headquarters, Supreme Commander for the Allied Powers, AG 387.6(20 Oct 47)REP, dated 20 October 1947, subject: "Oil Storage Tanks Owned by the Japanese Army or Navy".

b. Letter from General Headquarters, Supreme Commander for the Allied Powers, AG 387.6(20 Oct 47)REP, dated 16 July 1948, subject: "Oil Storage Tanks Owned by the Japanese Army or Navy".

c. 2nd indorsement, this headquarters, file AGMGEM 386.3, dated 13 October 1948, to letter Yamaguchi Military Government Team, file 1328 B, dated 23 September 1948, subject: "Oil Storage Facilities", with four inclosures.

2. Based on the inclosed petition of the Taiyo Fishing Co. Ltd., dated 28 November 1948, together with supporting inclosures, the following situation is disclosed:

a. These eight oil storage tanks were loaned to the Taiyo Fishing Company, Ltd., on a rental basis by authority of the Yamaguchi Prefectural Government and were subsequently dismantled and removed from the compound of the former Tokuyama Branch of the Kure Naval Munitions Depot, Tokuyama City, Yamaguchi Prefecture to the compound of the Taiyo Fishing Company, Ltd., Shimonoseki City, Yamaguchi Prefecture.

b. Dismantling and removal was authorized on 30 May 1947 which was well in advance of the initial action taken by the Supreme Commander for the Allied Powers to place oil storage tanks, owned by the former Japanese Army or Navy, under custody for reparations.

3. In view of the foregoing, plus the economic importance of retaining these eight tanks for food storage and allied purposes, it is recommended that due consideration be given to releasing them from reparations custody.

FOR THE COMMANDING GENERAL:

1 Incl:
1 cy w/d

/s/t/ Monroe N. Hinney
Major, AGD
Asst. Adj. Gen.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HEADQUARTERS
YAMAGUCHI MILITARY GOVERNMENT TEAM
YAMAGUCHI, HONSHU, JAPAN
APO 317

WJG/rk

Serial No. 1662 - B

8 December 1948

SUBJECT: Oil Storage Facilities

THRU : Commanding Officer
Chugoku Military Government Region
APO 317

TO : Commanding General
Eighth Army
APO 343

1. Reference letter this headquarters, Serial No. 1328-B, dated 23 September 1948, subject as above.

2. Attached herewith petition submitted by Taiyo Fishing Co. Ltd., Shimonoseki City, Yamaguchi Prefecture, requesting exemption of eight oil storage tanks from reparations.

3. These tanks were reported by above refernace, inclosure 2, item No. 9, and at present have no designated code number.

4. It is recommended that favorable consideration be given to this petition.

1 Incl:
Petition

/s/ Eugene J. McNamara
/t/ EUGENE J. McNAMARA
Lt. Col., Infantry
SMGO

CMGR 386.3(D-Kin) 1st Ind

Headquarters, Chugoku Military Government Region, APO 317, Kure, Honshu, 14 December 1948

TO: Commanding General, Eighth Army, APO 343
Forwarded for your consideration of request made in inclosure No.1.

1 Incl:
n/c

/s/ Boger N. Snoup, Maj.
for /t/ RUSSELL C. SNYDER
Colonel, FA
Commanding

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

YAMAGUCHI LOCAL OFFICE
HIROSHIMA FINANCE BUREAU.

18, Jan 49.

To : Commanding Officer.
Yamaguchi Military Government Team.

Subject : Application for carring out of ships.

45-7
IV B

Sir:

We hereby submit to you the applicationfor carrihg outof ships belonged to former Japanese Navy, located in EX-Tokuyama Naval Fuel Depot, Because We wish to sell these ships as state preperty. We hereby identify these ships as non-reparations Equiment. These watercraft were shown on the attached List.

Ichiro Tsukamoto

Ichiro TSUKAMOTO
Chief of Yamaguchi
Leal Office,
Hiroshima Finance
Bureau.

APPROVED:
31 Jan 49

E.M. TEN EYCK
Economics Officer

List of non-reperation Ship in
EX-Tokuyama Naval Fuel Depot

Neme of Ship	Quantety	Capacity	Condition	Date of Released	Remerks
Freight Lighter Toku type (Landing Craft)	7	Gross 15.8 (Long tons)	Bottom damaged Unusable	29. May. 45	to be sell as State Property

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CMGR 386.3 (D-Kin) 1st Ind
(8 December 1948)
SUBJECT: Oil Storage Facilities

Headquarters, Chugoku Military Government Region, APO 317, Kure, Honshu,
14 December 1948

TO: Commanding General, Eighth Army, APO 343

Forwarded for your consideration of request made in inclosure No.1.

1 Incl:
n/c

RUSSELL C. SNYDER
Colonel, FA
Commanding

ECONOMICS
SEC. C.
N.R.
C&T.
M&L
LABOR
C. C.

MANUFACTURING AND INDUSTRY FILE 12

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HEADQUARTERS
YAMAGUCHI MILITARY GOVERNMENT TEAM
YAMAGUCHI, HONSHU, JAPAN
APO 317

WJG/rk

8 December 1948

Serial No. 1662-8

SUBJECT: Oil Storage Facilities

THRU: Commanding Officer
Chugoku Military Government Region
APO 317

TO: Commanding General
Eighth Army
APO 343

1. Reference letter this headquarters, Serial No. 1328-8, dated 23 September 1948, subject as above.

2. Attached herewith petition submitted by Taiyo Fishing Co. Ltd., Shimonoseki City, Yamaguchi Prefecture, requesting exemption of eight oil storage tanks from reparations.

3. These tanks were reported by above reference, inclosure 2, item No. 9, and at present have no designated code number.

4. It is recommended that favorable consideration be given to this petition.

1 Incl:
Petition

EUGENE J. McNAMARA
Lt. Col., Infantry
SMGO

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

YAMAGUCHI LOCAL OFFICE
HIROSHIMA FINANCE BUREAU

November 28, 1948

TO: Major P. C. Wiggins,
Yamaguchi Military Government Team

SUBJECT: Application for suspending to inventory as Reperation Equipment

Sir:

8 (eight) Oil Storage Tanks located in Taiyo Fshing Co. Ltd. Shimonoseki City, occupied by former Tokuyama Naval Munitions Branch, are going to be inventoried as Reperation Equipment by your team.

We have the honor to request respectfully that these tanks are not inventoried, as we feel keenly the necessity of these tanks at Taiyo Fishing Co. Ltd..

The full information have been entered on the attached application of that company.

Ichiro Tsukamoto

Ichiro TSUKAMOTO
Chief of Yamaguchi Local Office, Hiroshima Finance Bureau

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

November 28, 1948.

To : Chief of the Yamaguchi State
Property Office of the Hiroshima
Finance Bureau,
Hachiman-dori, Yamaguchi City.

From : Taiyo Fishing Co., Ltd.
61 Takezaki-cho, Shimonoseki City.

SUBJECT : Application for recession of designation of our business equipment as applicable to the reparation goods.

Sir :

We hereby solicit your recession of designation to be applied to the following eight oil-tanks as reparation goods, which we are utilizing by the permission of temporary lending under the name of the chief of the General Affairs Dept., of the Yamaguchi Prefectural Government and the chief of the Yamaguchi State Property Office:-

Name of Article	Measurement & Capacity	Quantity	Temporary No.	Location of Article
Tank	4,840 mm. x 6,400 mm.	2	No.1 & No.2	Food Processing Plant of Taiyo Fishing Co., Ltd. Yamato-cho, Shimonoseki.
"	4,200 mm. x 7,200 mm.	1	No.3	- Ditto -
"	5,500 mm. x 7,600 mm. (1,120 barrels)	1	No.4	- Ditto -
Remark : Above 4 tanks are being used for reservation of salted whale meat juice which is the chief materials of making amino-acid & soy-sauce.				
"	175 inch. x 283 inch.	1	No.5	Shimonoseki No.2 Refrigerating Plant of Taiyo Fishing Co.,Ltd. Yamato-cho, Shimonoseki.
Remark : The tank is being used for reservation of liquid calcium chrolide which is the materials for refrigeration, cold-storage, and ice making.				
"	18.04 ft. x 23.93 ft.	2	No.6 & No.7	Hikoshima Oil & Fat Plant of Taiyo Fishing Co., Ltd. 4132 Odo, Amanogo, Hikoshima, Shimonoseki.
Remark : The tanks are being used for reservation of fuel oil (heavy oil) for our fishing boats.				
"	29.53 ft. x 23.62 ft.	1	No.8	Odo, Amanogo, Hikoshima, Shimonoseki.

Remark : The tank has not yet been used by us for any purpose practically due to the lack of suitable location to install it, but we are badly in need of the tank by the reason explained in the following paragraph. Therefore we have been doing our utmost effort to find the location.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

We have recently been told that the above-mentioned 8 tanks are going to be designated as a reparation goods by GHQ, SCAP., and therefore we are very much concerned about it, because, in view of the following circumstances, they are indispensable facilities for our company to manage its business.

Re : Tank No.1, No.2, No.3 & No.4 :

1. Present use : reservation for salted-shale-meat-juice brought from the Antarctic.
2. Reason of application for recession of designation as applicable to the reparation goods :

a. Use of salted whale meat juice : materials for manufacturing seasonings such as amino-acid soy-sauce.
b. Productive amount of seasonings : 5,500 Koku per year (this amount of soy-sauce can sustain 1 month ration for 1,375,000 people calculated on the basis of 4 "go" per person per month.
c. Necessary amount of salted whale meat juice : 750 tons

As a result of our elaborated research to utilize the albumen and salt contained in the salted whale meat juice brought back as a by-products from the Antarctic Whaling Expedition performed by our company by the special permission given by GHQ, SCAP., we have succeeded in utilizing this idle resource for manufacturing seasonings whose acute shortage Japanese people have been suffering from. Getting through the experimental process, we have come to a stage of industrial manufacturing, and are doing our utmost effort to consummate our production plan mentioned above. Such being the case, these tanks are indispensable facilities for us to reserve the salted whale meat juice.

Re : Tank No.5 :

1. Present use : reservation for liquid calcium chrolide.
2. Reason of application for recession of designation as applicable to the reparation goods :

The tank is an indispensable facilities for Shimonoseki No.2 Refrigerating Plant of our company to reserve liquid calcium chrolide - the vital materials for its refrigeration, cold-storage, and making ice for fishing.

Re : Tank No.6 & No.7 :

1. Present use : reservation for fuel oil (heavy oil).
2. Reason of application for recession of designation as applicable to the reparation goods :

The tanks are indispensable facilities for Hikoshima Oil & Fat Plant of our company to reserve fuel oil for our fishing boats.

Re : Tank No.8 :

1. Present use : None
2. Reason of application for recession of designation as applicable to the reparation goods :

The tank has not yet been used for any purpose due to the difficulty of finding suitable location to install it, but, we are badly in need of it for our Food Processing Plant to reserve salted whale

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

meat juice in order to get increased production of soy-sauce. This year we brought back about 1,500 tons of the said juice, but we could store 750 tons of it owing to the shortage of our storing capacity, therefore, we were obliged to threw the remnants awat without utilized it. Such being the case, if we use this tank, we should not only be able to store 450 tons of it but to manufacture 3,300 Koku more of soy-sauce, quantity of which can sustain 1 month ration for 825,000 people.
As we have of not enough space to install it within the compound of our plant, we have been striving our utmost effort to find suitable location near around the plant, and we are convinced of settling this question before long.

Such being the circumstances, we hereby respectfully and earnestly request your favourable consideration on our humble application and also request you, consid ering the real state of our company and its position in the solution of food problem and promotion of the aquatic industry, to recede from your designation of the articles as applicable to the reparation goods.

Yours faithfully,
TAIYO FISHING CO., LTD.

K. Ariyoshi

Kyokichi Ariyoshi, Representative
Director

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

"Cho" No.890

May 30, I947.

To the President of Taiyo Fishing Co.,Ltd.:

Re : Temporary lending of oil tanks belonging to the former Tokuyama Branch of Kure Naval Munitions Dept.

We hereby let you know that the above-mentioned oil tanks, for which you have applied to buy them, are lent to you temporarily on the under-mentioned conditions. Therefore, we advise you that you should thoroughly be careful of the utilization and the keeping of them at the spot by taking good connection with the spot-workers of Investigation Section of the Yamaguchi Prefectural Government and the Tokuyama State Property Office.

You are requested that you present to us three copies of receipt in compliance with the annexed ~~xxx~~ form, as soon as you take over them.

I. Name, quantity & location of the articles:

Article	Standard (capacity)	Quantity	Belongs to former Navy	Location
Oil-tank	450 K.L.	I	Former Tokuyama Branch of Kure Naval Munitions Dept.	Former No.3 Naval Fuel Depot, Tokuyama City.
-do-	I50 "	3	- do -	- do -
-do-	I00 "	4	- do -	- do -
TOTAL		8		

2. In case the country needs them, they shall be returned. In this case, freight rates & the other expenses shall be borne by your company.

3. The present condition of them shall not be changed so remarkably that it is difficult to be restored to the original condition of them. You shall be responsible for the custody by taking perfect measures for upkeeping and safety of them.

4. The user shall recompense for the loss or damage given to them, if it happens owing to the cause responsible to him.

5. The rent shall be mentioned separately.

Chief of General Affairs Dept. of
The Yamaguchi Prefectural Government.

Chief of the Yamaguchi State Property
Office.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DATE	SUBJECT	ISSUING HEADQUARTERS & [illegible]

IV. C. - DISPERSAL AREAS.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS
10 MAY. 1949	INSPECTION SHEET OF EVALUATED SHIP	TOKUYAMA REPARATION BRANCH. BASIC.
5 AUG. 1949	INSPECTION OF ARSENALS IN YAMAGUCHI PREF. (45-7)	G.H.Q, SCAP. BASIC.
2 March 1950	Inspection at Tokuyama 3rd Naval Fuel Depot 45-7	C.C.A.R.
10 Jan. 1950	Inspection of Reparations Equipment at Tokuyama 3rd Naval Fuel Depot. 45-7. 45-32(YB) 45-41, 45-30	C. C. A. R.
13 Jan. 1950	Inspection of Reparations Equipment at 45-7 Taiyo Fisheries	C.C.A.R.
3 May 1950	Inpsection of Ars Oil Storage at 45-39, 45-7, Taiyo Fisheries Co.,	C.C.A.R.
4 May 1950	A conference with the Japanese Officials of Tokuyama Branch of Hiroshima Finance Office	C.C.A.R.
15 June 1950	A conference with Japanese Officials of Tokuyama Finance Office and Inspection of Tokuyama 3rd Fuel Depot	C. C. A. R.
5 Sept. 50	Inspection of Oil Storage Tanks at Taiyo Fisheries Company	C.C.A.R.
13 Sept. 50	Inspection of Tokuyama 3rd Naval Fuel Depot	C.C.A.R.
14 Oct. 50	Inspection of Tokuyama 3rd Naval Fuel Depot (Mil. Ars. Oil St. 45-7, 45-32, 45-41).	C.C.A.R.
30 Nov. 50	Inspection of Reparations Equipment at Tokuyama 3rd Naval Fuel Depot 45-7.	CCAR
30 Dec. 50	Inspection of Reparations Equipment for Scrap. 45-7 3rd Naval Fuel Depot	CCAR
23 Jan. 51	Conference with Lt. Col. Johnson and Officials of Tokuyama Branch of Chugoku Finance Bureau regarding the Cost for movement of Reparations Items at Installation (45-7)	CCAR
23 Jan. 51	Reparations Inspection, Surveillance of Shipyards, Oil Storage Facilities and Explosive Plants in Compliance with O.D. 11.	CCAR

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V.- INSPECTION REPORTS.