

TOKAI-HOKURIKU

INFORMATION

O.D. //

SEP. -9. 1950

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

HBO/MWH/RAS/jtt

5 September 1950

387.6(5 Sep 50)ESS/IND

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Authorized Use of Items
Listed for Reparations

1. Reference is attached R.A.R. No. 799(MS), 25 July 1950, subject: Application for Additional Authorized Use of Reparations Equipment Filed by Kawasaki Gifu Seisakusho Co., Ltd. (Former Kawasaki Sangyo Co., Ltd., Gifu Seisakusho)(Code No. 09-06).

2. The application requesting permission for the authorized use of the 20 items of reparations machinery and equipment listed in reference 1, above, is approved.

3. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

1 Incl
as indicated.
(dup)

PAUL S. FUJII
Acting Chief, Industry Division

Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:

The above ltr is self-explanatory.

Mr. R.A. Steele:
26-7842

P. S. F.

CA SEC COPY

0-312-

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

From : Reparations Agency, Tokyo.

Subject: Application for Additional Authorized Use of Reparations Equipment Filed by Kawasaki Gifu Seisakusho Co., Ltd. (Former Kawasaki Sangyo Co., Ltd., Gifu Seisakusho)(Code No. 09-08).

R.A.R. No. 799 (NS)

25 July 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for additional authorized use of 20 sets of reparations equipment now lying idle filed by the Kawasaki Gifu Seisakusho Co., Ltd. (former Kawasaki Sangyo Co., Ltd., Gifu Seisakusho)(Code No. 09-08), together with an application of the Ministry of International Trade and Industry, as enclosed herewith.
2. As stated in detail in the explanatory note attached hereto, the said plant has been engaged in the production of bodies of bus and truck with the permission by the Gifu HQT., and it now wishes to use additionally 20 sets of reparations equipment as "authorized use" in order to improve its production process.
3. 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:

- a) Application of the Ministry of International Trade & Industry.
- b) Application of the subject plant.

2-312

Shick

List of Designated Items wanted to be used

Applicant: Kawasaki Gifu Seisakusho Co., Ltd.
(Former Kawasaki Sangyo K.K. Gifu Seisakusho)

Page of evaluat'n sheet	Item No.	Code No.	Name of machine	Manufac- turer	Type & Capacity	Classi- fication	Remarks
77	Gifu 507	09-6- 404	Shearing machine	Unknown	Max. thick- ness 2 mm	Dead storage	Truck body
95	" 621	466	Compres- sor	Kaji Tekko	30 HP. 7 Kg/sq.cm.	"	Bus body
70	" 446	499	Bending machine	Dreise Krump	Max.width 3000mm Max.thick.. 2mm	"	"
134	" 1311	513	Compres- sor	Kaji Tekko	30 HP. 7 Kg/sq.cm.	"	"
67	" 414	526	Testing machine	Maekawa Shikenki	Universal type Capacity 5 ton	"	Testing of part
267	Tagami 89	765	Shearing machine	Boshin Kogyo	Max. capacity 2000 mm X 2 mm	"	Truck body
265	" 76	770	Bending machine	Yamakawa Press	Max. capacity 1000 mm X 3 mm	"	"
266	" 81	771	Mechanical press	Hasebe Kikai	Pressure 75 ton	"	"
268	" 101	774	Shrinking machine	Hasebe Kikai	Max. capacity 300 mm X 1.22mm	"	"
256	" 2	812	Bumping machine	Yamakawa Press	Max. width 820 mm	"	"
256	" 7	823	Eccentric press	Kimura Press	Pressure 40 ton	"	"
261	" 40	829	Compres- sor	Kaji Tekko	30 HP. 7 Kg/sq.cm.	"	"
256	" 5	833	Bending machine	Hasebe Kikai	Max. capacity 2050 mm X 2 mm	"	"
262	" 49	847	Bending machine	Hasebe Kikai	Max. capacity 1045 mm X 1.6 mm	"	"

Page of evaluation sheet	Item No.	Code No.	Name of machine	Manufac- turer	Type & Capacity	Classi- fication	Remarks
262	Tagami 51	09-6- 849	Bending machine	Hasebe Kikai	Max.capacity 1045mmX1.6mm	Dead storage	Truck body
157	Gifu 41	934	Bending machine	Boshin Kogyo	Max. Capacity 1000 mm X 2 mm	"	Bus body
134	" 1309	1555	Pneumatic riveter	Yutani Tekko	Max. work dim. 10 mm	"	Truck body
131	" 1255	1558	Pneumatic riveter	Yutani Tekko	Max. work dim. 7 mm	"	"
60	" 363	1795	Trans- former	Osaka Henatsuki	Single phase 75 KVA	"	Bus body
60	" 364	1796	Trans- former	Osaka Henatsuki	Single phase 75 KVA	"	"

Total: 20

File

KAWASAKI GIFU SEISAKUSHO CO., LTD.

Subject: Application for Transfer of Parts of
Reparations Designated Machinery

To: Kamon Muto, Governor of Gifu Prefecture

Applicant: Kawasaki Gifu Seisakusho Co., Ltd.
(former Kawasaki Sangyo Co., Ltd. Gifu Seisakusho)
Mikakino, Sohara-cho, Inaba-gun, Gifu Pref.

Concerning the above subject, I would like to
make the following application.

- 1) **Reasons for Transfer:**
Repairing of parts
- 2) **Transferred from:**
Kawasaki Gifu Seisakusho Co., Ltd.
Mikakino, Sohara-cho, Inaba-gun, Gifu Pref.
- 3) **Transferred to:**
Nihon Tokushu Shoko Co., Ltd.
No.12 Kamesawa-cho, 4-chome, Sumidaku, Tokyo
- 4) **Items transferred:**

Code No.	Name of machine	Name of part transferred	No. <i>clan</i>
09-6-377	Hydraulic Press	Ram	1 - 2
"	"	Oil pump	1 - 2
378	"	Ram	1 - 1
Total: 3 parts 2 sets			

5) **Remarks:**

These two machines are already approved by
GHQ to transfer from Kawasaki Gifu Seisakusho to
Kawasaki Iron Works (Kobe).
The above-mentioned parts are the parts of them and
after repairing they should be transferred from Tokyo
to Kawasaki Iron Works (Kobe).

APPROVED
E. F. J. J. J.
E. F. J. J. J. DAC
Economics Div. THCAR
Date *9 June 50*

By *G. Yamanechi*

Signature: *Kazuo Kuroyanagi*
Kazuo Kuroyanagi
Title: Chief Custodian

247 (5)
11-5-73
131P

GENERAL HEADQUARTERS
 SUPREME COMMANDER FOR THE ALLIED POWERS
 Economic and Scientific Section
 APO 500

17 March 1950

387,6 (17 Mar 50) ESS/IND

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Movement and Authorized Use of Items Listed for Reparations.

1. Reference is attached R.A.R. No. 54 (MS), 7 February 1950, subject: Application for Movement and Authorized Use of three (3) Reparations Equipment Filed by Fukiai Plant, Iron Works, Kawasaki Heavy Industries, Ltd.

2. The application requesting permission for the transfer and authorized use of the three (3) items of reparations equipment listed in reference 1, above, is approved as indicated below:

<u>Present Location</u>	<u>No. of Items</u>	<u>To Be Transferred To</u>
<u>Kawasaki Sangyo K.K.</u>		
a. Akashi Kitai Plant (13-16)	1	Kawasaki Heavy Industries, Ltd. Fukiai Plant 2053 Wakinohamacho, 3-chome, Fukiai-ku, Kobe
b. Gifu Plant (09-6)	2	
	<u>3</u>	

check
I = 1799
Not I = 283
Total 2082

cler

3. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

1 Incl
 as indicated
 (dup)

MAURICE M. CLASS
 Chief, Industry Division.

Report on Rescission of Authorized
Used Equipment

Date: ³¹28, March, 1950
 Plant Name: Kawasaki Sangyo Co., Ltd. Gifu Seisakusho
 Location: Mikakino, Sohara-cho, Inaba-gun, Gifu Pref.
 Code No.: 09-6-
 User: Kawasaki Sangyo Co., Ltd. Gifu Seisakusho
 Reason of Rescission: Change of products in permitted items
 Total No. of Rescinded Equipment: 28
 Name of reporter: Kazuo Kuroyanagi

(signature):

Kazuo Kuroyanagi

List of Rescinded Equipment

Inventory No.	Name of Equipment	Remark
09-6-71	Lathe-Engine	
105	"	
145	"	
250	"	
255	"	
263	"	
301	"	
305	"	
341	Drilling Machine-Vertical	
353	" -Radial	
361	Milling Machine-Horizontal	
388	Drilling Machine-Vertical	

check

Inventory No.	Name of Equipment	Remark
09-6-411	Bending Machine-Plate	
414	Shearing Machine-Square	
686	Lathe-Engine	
749	Mechanical Press-Inclinable	
817	Shearing Machine-Square	
852	Lathe-Turret	
879	Drilling Machine-Vertical	
930	Slotter-Vertical	
974	Lathe-Engine	
975	"	
976	Milling Machine-Horizontal	
983	Cut off & Sawing Machine-Hack	
984	Grinder-Tool & Cutter	
991	Slotter-Vertical	
1003	Mechanical Press-Inclinable	
1091	Lathe-Engine	

28 sets

check

424 - 28 = 396

A.T.

*File
Kawasaki
Sangyo*

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

387.6 (24 Jan. 50) ESS/IND

24 January 1950

INFORMAL

MEMORANDUM FOR:

Reparations Agency, Tokyo

SUBJECT:

Application for Authorized Use for Equipment
Listed for Reparations.

1. Reference is attached R.A.R. No. 128 (MS), dated 19 December 1949, subject: Application for Authorized Use of Equipment in Reparations Plants Located in Gifu Prefecture, which forwards, enbloc, the applications of four (4) Plants in Gifu Prefecture requesting authorized use of machinery and equipment currently in temporary operation.

2. The application for authorized use of the equipment made in reference 1 above, is approved as follows:

a. Kawasaki Sangyo Co., Ltd. Gifu Seisakusho (09-6)	37 items	✓	$387 + 37 = 424$
b. Kayaba Industry Co., Ltd. Gifu Plant (09-11)	33 items	✓	<i>check</i>
c. Okamoto Industrial Co., Ltd. Ogaki Works (09-14)	1 item	✓	
d. Shin-Nagai Cotton Co., Ltd. Komano Plant (09-20)	6 items	✓	

3. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current Informal Memo to Reparations Agency, Tokyo, fr ESS/END, dtd 24 Jan. 50, subj: Application for Authorized Use of Equipment Listed for Reparations.

Directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

MAURICE M. CLASS
Chief, Industri Division

1 Incl
As indicated
(dup)

checked

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

FROM: Reparations Agency, Tokyo.

SUBJECT: Application for Authorized Use of Equipment in Reparations Plants Located in Gifu Prefecture.

R.A.R. No. 128 (Ms)

19 December 1949.

1. The Reparations Agency submits on bloc to your Headquarters an application for authorize use of designated equipment in reparations plants in Gifu Prefecture, together with a recommendation of the Ministry of International Trade and Industry, as enclosed herewith.
2. The respective plants have, heretofors, been authorized to use those reparations facilities under this application as "temporary operation" with the permissions of the Gifu Civil Affairs Team. But the terms of these permissions will soon expire and if these plants be suspended the operation, of these machines they will face a serious situation in continuing their production.
3. In view of the important roles of these plants in the industrial rehabilitation and foreign trade of this country, it is earnestly requested that your Headquarters be good enough to give a most favorable consideration to this application.

(Y. Katsuno)
Director, Reparations Division.

Attached:

1. Recommendation of the Ministry of I.T. & I.
2. Application of the Plants.

List of Designated Items wanted to be used

Kawasaki Sangyo Co., Ltd. Gifu Seisakusho
Mikakino, Sohara-cho, Inaba-gun, Gifu Pref.

Name of Machine	Manufacturer	Type & Size	Inventory No.	Classification	Remarks
Hydraulic press	Komatsu Seisakusho	Capacity 150 ton	09-6-376	T.O.	Bus body
Shearing machine	Miyako Kinzoku	Max. thickness 1.5 mm	401	"	"
Speed hammer	Yamakawa Press	Max. thickness 1.5 mm	408	"	"
Shrinkring machine	Hasebe Kikai	Max. thickness 1.2 mm	410	"	"
Air compressor	Mikuni Tekko	Pressure 100 lb/2	432	"	"
Grinder	Karatsu Tekko	Swing 440 mm	7	"	Fire-extinguisher
Grinder	Ito Koki	Swing 40 mm Dia. 220 mm	118	"	"
Gear shaper	Tokyo Kikai	Pitch dia. 220 mm	203	"	"
Grinder	Motouchi Seisaku	Dia. 300 mm Thick. 30 mm	379	"	"
Centering machine	Rokuroku Shoten	Max. work 200 mm	609	"	"
Bending machine	Weingarten (Germany)	Max. thickness 2 mm	411	"	Bus body
Testing machine	Maekawa Shikenki	Max. 50 ton Amsler type	502	"	Testing of Material
Lathe	Kubota Koksaku	Swing 480 mm	679	"	Parts of automobile
Lathe	Takizawa Tekko	Swing 420 mm	1810	"	"
Lathe	Hisatoku Shoten	Swing 420 mm	263	"	Truck body
Bending machine	Minami-Senju	Max. thickness 3 mm	460	"	"
Welding machine	Osaka Henatsuki	A.C. 300 Amp.	548	"	"
Compressor	Mikuni Tekko	Pressure 100 lb/2	629	"	"

Name of Machine	Manufacturer	Type & Size	Inventory No.	Classification	Remarks
Drilling machine	Suzuta Tekko	Swing 520 mm	09-6-793	T.O.	Sawing machine table
Bending machine	Weingarten (Germany)	Max. thickness 1.5 mm	795	"	Truck body
Shearing machine	Boshin Kogyo	Max. thickness 2.0 mm	817	"	"
Mechanical press	Kimura Press	Capacity	1804	"	"
Shaper	Nakagawa Kikai	Stroke 400 mm	11	"	Parts of automobile
Vertical milling	Milwaukee (U.S.A.)	Feed: L-740, C-320, V-320mm	83	"	"
Horizontal milling	Milwaukee (U.S.A.)	Feed: L-740, C-300, V-500mm	86	"	"
Grinder	Kobayashi	Dia. 260 mm Thck. 60 mm	110	"	Fire extinguisher
Lathe	Hirao Tekko	Swing 440 mm	254	"	"
Lathe	Okuma Tekko	Swing 340 mm	256	"	"
Drilling machine	Rokuroku Shoten	Swing 1000 mm Max. work 30mm	391	"	Parts of automobile
Gear snotter	Hiraiwa Tekko	Pitch dia. 360 mm	652	"	"
Drilling machine	Hirao Tekko	Swing 540 mm Max. work 30mm	1801	"	"
Lathe	Takizawa Tekko	Swing 420 mm	1807	"	"
Horizontal milling	Milwaukee (U.S.A.)	Feed: L-750, C-240, V-450mm	1827	"	"
Lathe	Saga Seisakusho	Swing 400 mm	673	"	"
Transformer	Osaka Henatsuki	Single phase 45 KVA	1791	"	"
Transformer	Osaka Henatsuki	Single phase 40 KVA	1792	"	"
Grinder	Washburn (U.S.A.)	Dia. 240 mm Thick. 30 mm	516	"	"
Total Number of Machines:			37		

List of Inventoried Machines

(Not assigned Inventory No. in Evaluation Sheets)

Name of Plant : Kawasaki Sangyo Co., Ltd.
Gifu Office

date : 4, Dec. 1948

Signed : *Kimiyo Nagano*
Kimiyo Nagano

Title : Chief Custodian

ENCLOSURE I

List of Inventoried Machines
Not assigned Inventory No. in Evaluation sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Name of shop: Gifu Factory

Date: 4, Dec. 1948

Inventory No.	Name of Machine	Section of Evaluation	Item No.
09-6-2336	Testing & Measuring Machine- gauge Block	Miscellaneous Equipment	35
2337	"	"	36
2338	"	"	37
2339	"	"	38
2340	"	"	39
	Office Furniture & Equipment	"	85
	Piping - Air	"	86
	Piping - steam	"	87
	Electro Wiring	"	88
2341	Measuring & Hand Tools - Outside Micrometer (25 sets)	General Supplies	1
2342	Measuring & Hand Tools - Outside Micrometer (16 sets)	"	2
2343	Measuring & Hand Tools - Outside Micrometer (2 sets)	"	3
2344	"	"	4
2345	"	"	5
2346	"	"	6
2347	"	"	7
2348	Measuring & Hand Tools - Inside Micrometer	"	8

Inventory No.	Name of Machine	Section of Evaluation	Item No.
09-5-2349	Measuring & Hand Tools -- Height Gauge (2 sets)	General Supplies	9
2350	Measuring & Hand Tools - Universal Protractor (4 sets)	"	10
2351	Measuring & Hand Tools - Optical flat	"	11
2352	Measuring & Hand Tools - Dial Indicator (2 sets)	"	12
2353	Measuring & Hand Tools - Ammeter (31 sets)	"	13
2354	Measuring & Hand Tools - Resistance Jumper (5 sets)	"	14
2355	Measuring & Hand Tools - Standard screw Gauge (926 sets)	"	15
2356	Measuring & Hand Tools - screw Gauge (159 sets)	"	16
2357	Measuring & Hand Tools - standard Plug & Ring Gauge (1,933 sets)	"	17
2358	Measuring & Hand Tools - snap Gauge (8,131 sets)	"	18
2359	Measuring & Hand Tools - Bar Gauge (3,267 sets)	"	19
2360	Cutting Tools - straight shank Drill (44,332 sets)	"	20
2361	Cutting Tools - straight shank Drill (8,680 sets)	"	21
2362	Cutting Tools - straight shank Drill (20,395 sets)	"	22
2363	Cutting Tools - straight shank Drill (9,261 sets)	"	23
2364	Cutting Tools - Taper shank Drill (294 sets)	"	24
2365	Cutting Tools - Machine Reamer (104 sets)	"	25

Inventory No.	Name of Machine	Section of Evaluation	Item No.
09-6-2366	Cutting Tools - Machine Tap (351 Sets)	General supplies	26
2367	Cutting Tools - Cutter (201 Sets)	"	27
2368	Cutting Tools - Die Head Chaser (1,191 Sets)	"	28
2369	Cutting Tools - Side Cutter (556 Sets)	"	29
2370	Cutting Tools - Metal Slitting Saw (120 Sets)	"	30
2371	Cutting Tools - Plain Cutter (375 Sets)	"	31
2372	Cutting Tools - End Mill Cutter (156 Sets)	"	32
2373	Cutting Tools - Thread Cutter (174 Sets)	"	33
2374	Cutting Tools - Fellows Gear Shaper Cutter (31 Sets)	"	34
2375	Cutting Tools - Shell Cutter (10 Sets)	"	35
2376	Cutting Tools - Dresser Cutter (195 Sets)	"	36
2377	Cutting Tools - Dresser Handle (89 Sets)	"	37
2378	Cutting Tools - Spindle (50 Sets)	"	38
2379	Cutting Tools - Drill Sleeve (82 Sets)	"	39
2380	Cutting Tools - Chuck (21 Sets)	"	40
2381	Cutting Tools - Coventry Die Head (17 Sets)	"	41
2382	Cutting Tools - Machine Hack Saw (288 Sets)	"	42
2383	Cutting Tools - Lathe Dog (100 Sets)	"	43
2384	Cutting Tools - Screw Jack (15 Sets)	"	44

Inventory No.	Name of Machine	Section of Evaluation	Item NO.
09-6-2385	Cutting Tools - Knurling Tool Holder (31 Sets)	General Supplies	45
2386	Cutting Tools - Knurling Tool (50 Sets)	"	46
2387	Cutting Tools - Artificial Oil Stone (13 Sets)	"	47
2388	Cutting Tools - Surface Gauge (205 Sets)"	"	48
2389	Cutting Tools - Caliper (848 Sets)	"	49
2390	Cutting Tools - Compass (42 Sets)	"	50
2391	Cutting Tools - Square (101 Sets)	"	51
2392	Cutting Tools - Vernier (10 Sets)	"	52
2393	Cutting Tools - Folding Steel Scale (50 Sets)	"	53
2394	Cutting Tools - Steel Scale (56 Sets)	"	54
2395	Cutting Tools - Bit (3,397 Sets)	"	55
2396	Cutting Tools - Grinding Wheel (300 Sets)	"	56

List of Inventoried Machines

Not assigned Inventory No. in Evaluation Sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Date: 4, Dec. 1948

Name of Shop: Iron Work Shop

Inventory No.	Name of Machine	Section of Evaluation	Item No.
09-6-2397	Furnace - Melting Crucible	Authorized Use	10
2398	"	"	11
2399	"	"	12
2400	Tool - Vise (14 Sets)	"	25
2401	" (4 Sets)	"	40
2402	" (20 Sets)	"	105
2403	" (4 Sets)	"	138
2404	" (2 Sets)	"	178
2405	" (27 Sets)	"	187
	Piping - Air	"	195
	Electro Wiring	"	196

List of Inventoried Machines

Not assigned Inventory No. in Evaluation sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Date: 4, Dec. 1948

Name of shop: Press work shop

Inventory No.	Name of Machine	Section of Evaluation	Item No.
	Piping - Air	Authorized Use	112
	Electro Wiring	"	113

List of Inventoried Machines

Not assigned Inventory No. in Evaluation Sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Date: 4, Dec. 1948

Name of Shop: wood work Shop

Inventory No.	Name of Machine	Section of Evaluation	Item No.
	Piping - Steam	Authorized Use	47
	Electro Wiring	"	48
09-6-2406	Cars - Except Self Propelled - Track	Exempted Equipment	88
2407	"	"	89
2408	"	"	90

List of Inventoried Machines
Not assigned Inventory No. in Evaluation Sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Name of Shop: Auto Repair Shop

Date: 4, Dec. 1948

Inventory NO.	Name of Machine	Section of evaluation	Item No.
09-6-2409	Line snaiting	Authorized Use	16
	Electro wiring	"	25

List of Inventoried Machines

Not assigned Inventory No. in Evaluation Sheets

Name of Plant: Kawasaki Sangyo Co., Ltd.
Gifu Office

Date: 4, Dec. 1948

Name of Shop: Electric Work shop

Inventory No.	Name of Machine	Section of Evaluation	Item No.
09-b-2410	Anvil	Exempted Equipment	16
2411	Swage Block	"	17
2412	Plating Bath - Nickel	"	28
2413	"	"	29
2414	Plating Bath - Copper	"	30
2415	"	"	31
2416	" Cadmium	"	32
2417	" Chromium	"	33
2418	Oxalic acid Bath - For Anodic Oxidation	"	34
2419	Par Kerizing Bath	"	35
2420	Oven - Air	"	36
2421	"	"	37
	Electro Wiring	"	48

Kawasaki Sangyo Co., Ltd.
Gifu Office
11 Kasumi-cho, Gifu city

File F. 4.6

30 April, 1948

Subject: Application for Authorization of " Using Machines "

To : Mr. Norman E. Acton, Chief of Economics Section Gifu
Military Government

Thru : Commerce and Industry Section Gifu Prefectural Government

The following listed machines are the machines which were allowed to be omitted from the " Inventory Sheet " by the instruction of the Gifu Military Government when the reparations personnel inspected to make the " Inventory Sheet " for the first time. However in relation with the " Plant Evaluation Report " I would like to mark them with the letter " U " because these machines are being employed for production at the present time.

Accordingly, I hereby would like to ask your authorization for using these machines.

Signature:

K. Nagano
Kimiyo Nagano

Title : Chief Custodian

Authorized Use approved by:

Norman E. Acton
Norman E. Acton
Chief Economics Section
Gifu Military Government

4 Aug 48

LIST OF USING MACHINERY

Gifu Office
Inventory
No.

Inventory No.	Name of Machine	Operating Dimensions		Manufacturer
09-6-2,314	Car Self-Propelled Gasoline	Capacity	7 Seats 36 HP	Nash
2,315	"	Capacity	7 Seats 25.5 HP	Dodge Bros.
2,316	"	Capacity	7 Seats 37.8 HP	Bulok
2,317	"	Capacity	3 Seats 7.5 HP	Kosoku Kikan Kogyo

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

Kawasaki Sangyo Co., Ltd.

Gifu Office

11 Kasumi-cho, Gifu-city.


30 April, 1948

Subject: Application for Authorization of "Using" Machinery
To : Mr. Norman E. Acton, Chief of Economics Section Gifu
Military Government

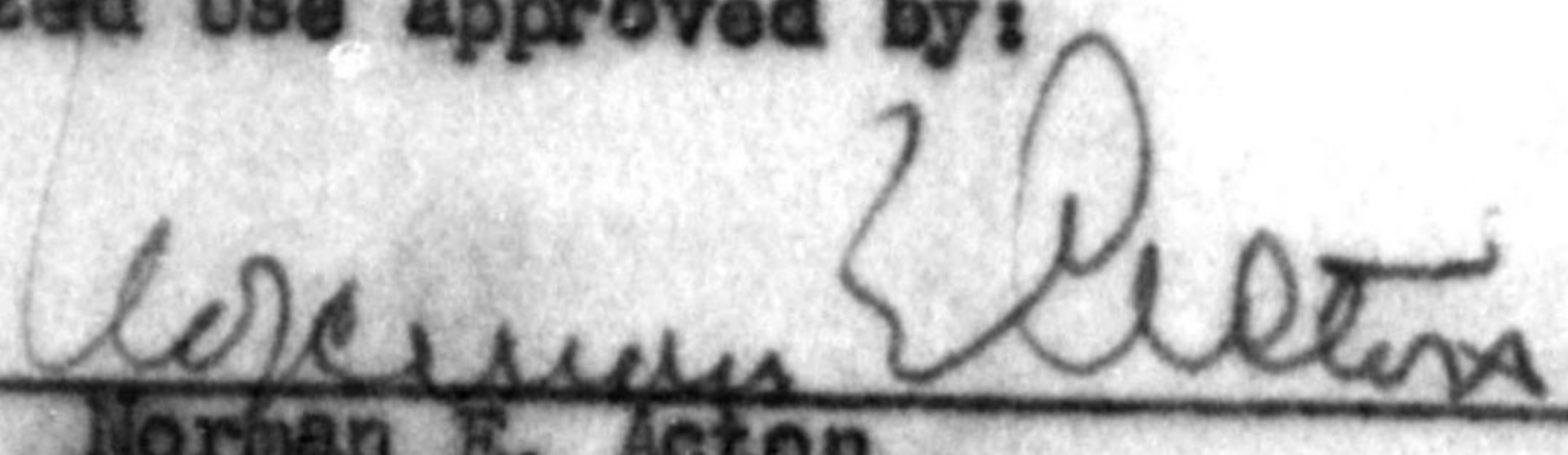
Thru : Commerce & Industry Section, Gifu Prefectural Government

The following listed machines have been marked with the letter "U" in accordance with the Military Government instructions.

In relation with the "Plant Evaluation Sheet" which is being prepared at the present time since it seems to me your confirmation on "U" machines will be necessary I would like to submit an application for your authorization.

Signature: 
Kimiyo Nagano
Title : Chief Custodian

Authorized Use approved by:


Norman E. Acton
Chief Economics Section
Gifu Military Government

30 April, 1948

LIST OF USING MACHINERY

Name of Plant	No. of Using Machinery
Iron work shop	151
Press work shop	103
Wood work shop	37
Auto Repair shop	20
Chubu Haiden	46
Used by the Occupation Forces	1
Total:	358

Kawasaki Sangyo Co., Ltd.

Gifu Office.

Kawasaki Iron work shop

Page 1

Code Number	Name of machines	Operating Dimensions	Manufacturers	% of Time in Use	Class	Products and Use
09-6-5	Engine lathe	Swing diameter Center to center	390 mm Hirao 950 mm Tekkosho	100	2	Fire extinguisher
13	External grinding machine	Maximum diameter of work Maximum length of work	180 mm Mitsubishi 640 mm Kosakukikai K.K.	80	1	"
14	Internal grinding machine	Swing diameter Maximum length of work	680 mm Heald 1000 mm	80	1	"
25	Engine lathe	Swing dia. Center to center	520 mm Riken Kogyo K.K. 1590 mm	100	1	"
26	Vertical Milling machine	Longitudinal feed Cross feed Vertical feed	1500 mm 300 mm Wanderer-works 450 mm	100	1	Electric water heater
27	Horizontal Milling machine	Longitudinal feed Cross feed Vertical feed	1200 mm 380 mm Ikegai-Tekkosho 350 mm	100	1	"
59	Engine lathe	Swing dia. Center to center	500 mm Toyo Kohan K.K. 850 mm	100	1	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-82	Vertical Milling machine	Longitudinal feed 1000 mm Cross feed 300 mm Vertical feed 400 mm	Cincinnati Milling machine	100	1	Electric water heater
87	Vertical Milling machine	Longitudinal feed 700 mm Cross feed 300 mm Vertical feed 500 mm	Zbrojovka Brno	100	1	"
96	Engine lathe	Swing dia. 460 mm Center to center 1200 mm	Toyo Kikai K.K.	100	1	"
99	Engine lathe	Swing dia. 520 mm Center to center 1590 mm	Riken Kogyo K.K.	100	2	"
105	Engine lathe	Swing dia. 600 mm Center to center 1200 mm Swing dia. (gap) 920 mm	Yamamoto Tekkosho	100	2	"
107	Engine lathe	Swing dia. 400 mm Center to center 800 mm	Takizawa Tekkosho	100	1	"
143	Engine lathe	Swing dia. 400 mm Center to center 800 mm	Takizawa Tekkosho	100	1	"
145	Engine lathe	Swing dia. 400 mm Center to center 760 mm	Lodge & Shipley Machine Tool Co.	100	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-171	Drilling machine	Drilling capacity 20 mm Distance, spindle center to column 200 mm	Mitsubishi Kosakukikai K.K.	90	1	Electric water heater
197	Surface grinding machine	Table dimension 470x150mm Max. length of work 700 mm	Norton	90	1	"
204	Vertical	Table travel Longitudinal feed 1000 mm Cross feed 300 mm Vertical feed 500 mm	Milwaukee	100	1	"
213	Engine lathe	Swing dia. 360 mm Center to center 710 mm	Ikagai Tekkosho	100	1	"
240	Engine lathe	Swing dia. 400 mm Center to center 900 mm	Hirao Tekkosho	100	1	"
245	Engine lathe	Swing dia. 440 mm Center to center 1400 mm	Shoun Kosakusho	100	1	"
247	Engine lathe	Swing dia. 460 mm Center to center 1380 mm	Toyo Kikai K.K.	100	1	"
269	Engine lathe	Swing dia. 400 mm Center to center 800 mm	Takizawa Tekkosho	100	2	"
270	Engine lathe	Swing dia. 400 mm Center to center 900 mm	Hirao Tekkosho	100	2	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-274	Drilling machine	Drilling capacity 20 mm Distance spindle Center to column 200 mm	Mitsubishi Seiki Seisakusho	100	1	Electric water heater
275	Turret lathe	Round bar capacity 53 mm	Hitachi Seiki Seisakusho	100	2	Fire extinguisher
285	Engine lathe	Swing dia. 400 mm Center to center 900 mm	Hirao Tekkosho	100	2	"
287	Drilling machine	Drilling capacity 20 mm Distance spindle center to column 200 mm	Mitsubishi Seiki Seisakusho	100	1	Electric water heater.
288	Drilling machine	Drilling capacity 20 mm Distance spindle center to column 200 mm	Mitsubishi Seiki Seisakusho	100	1	"
301	Engine lathe	Swing dia. 520 mm Center to center 1590 mm	Toyo Kikai K.K.	100	2	Fire extinguisher
305	Engine lathe	Swing dia. 520 mm Center to center 770 mm	Toyo Kikai K.K.	100	1	"
315	Square Shear	Length of cut 1500 mm Max. thickness of work stock 3 mm	Hasebe Kosakusho	70	1	"
317	Boring machine	Dia. of boring bar 55 mm	Deutsche Niles werke	70	1	Electric water heater Fire extinguisher

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Class Use	Products and Use
09-6-321	Shaper	Length of stroke 650 mm	Nakagawa Seisakusho	100	2 Fire extinguisher
322	Engine lathe	Swing dia. 520 mm Center to center 770 mm	Mitsubishi Seiki K.K.	100	1 "
323	Shaper	Length of stroke 650 mm	Nakagawa Seisakusho	100	2 "
361	Horizontal Milling machine	Longitudinal feed 800 mm Cross feed 350 mm Vertical feed 350 mm	Cincinnati Milling machine	100	1 "
392	Radial Drilling machine	Max. distance spindle Center to column 500 mm Drilling capacity (dia) 50 mm	Karatsu Tekkosho	90	1 "
399	Arbor manual Press	Pressure 5 ton Bed 600 mm x 400 mm	Boshin Kogyo K.K.	60	1 Electric water heater
453	Friction Press	Pressure 75 ton	Noma Tekkosho	70	1 "
455	Horizontal Milling machine	Longitudinal feed 1300 mm Cross feed 400 mm Vertical feed 400 mm	Cincinnati	100	1 Fire extinguisher

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-467	Engine lathe	Swing dia. 400 mm Center to center 900 mm	Hirao Tekkosho	100	2	Fire extinguisher
468	"	Swing dia. 440 mm Center to center 900 mm	Takizawa Tekkosho	100	2	"
474	Horizontal Milling machine	Longitudinal feed 1000 mm Cross feed 300 mm Vertical feed 350 mm	Milwaukee	100	1	"
477	"	Longitudinal feed 1000 mm Cross feed 200 mm Vertical feed 350 mm	"	100	1	"
500	Air compressor	Pressure 7 Kg./cm ²	Dengyosha	70	1	Compressed air for water service
518 500	"	Capacity 0.2576 m ² /min	Mikuni Tekkosho	100	1	Compressed air for test or leakage
551	Double action crank press	Pressure 550 ton	Ishihara Seisakusho	50	1	Electric water heater
584	Transformer (single phase)	Electric capacity 300KVA	Osaka Hen-atsuki K.K.	100	1	Step-down of voltage

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-585	Transformer (single phase)	Electric capacity 300 KVA	Osaka Hen-atsuki K.K.	100	1	Step-down of voltage
636	Engine lathe	Swing dia. 380 mm Center to center 800 mm	Takizawa Tekkosho	100	2	Fire extinguisher
639	Face lathe	Swing dia. 600 mm	Shoun-Kosakusho	100	1	"
659	Engine lathe	Swing dia. 600 mm Center to center 1600 mm	Okuma Tekkosho	100	1	"
660	Engine lathe	Swing dia. 1000 mm Center to center 1800 mm	Ikegai Tekkosho	100	1	"
678	Engine lathe	Swing dia. 380 mm Center to center 800 mm	Takizawa Tekkosho	100	1	"
712	Face lathe	Swing dia. 2000 mm	Osaka Kikai Seisakusho	100	1	"
716	Drilling machine	Drilling capacity in steel 30 mm Distance, spindle 300 mm Center to column	Mitsubishi Kosakuki K.K.	100	1	Electric water heater
721	Jig boring machine	Longitudinal feed 1100 mm Cross feed 400 mm Vertical feed 300 mm	Pratt & Whitney	70	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-732	Drilling machine (automatic)	Drilling capacity in steel 30 mm Distance, spindle center to column 300 mm	Okuma Fukusho	100	1	Electric water heater
879	Drilling machine	Drilling capacity in steel 40 mm Distance, spindle center to column 250 mm	Harnes Drill Co.	80	1	"
880	Grinding machine	Dia. of grinding stone 300 mm	Miwa Denki	100	1	"
884	Bending machine	Max. width of work stock 1500 mm Max. thickness of work stock 1.5 mm	Boshin	50	2	"
886	Grinding machine	Dia. of grinding stone 400 mm	Nippon Dendo Kogyo K.K.	80	3	"
887	Arc Welding machine	A.C.200V. 300A	Osaka Hen-atsuki K.K.	100	1	"
888	Transformer (Single phase)	200 KVA	Meidensha	100	1	Electric arrangement

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-890	Plate and sheet roll bending	Max. thickness of work stock 2 mm Max. width of work stock 1000 mm	Kawasaki K.K.	30	3	Electric water heater
891	Cut-off machine	Max. dia. of work 100 mm	Kawasaki K.K.	70	3	"
892	Shearing and punching machine	Cutting capacity thickness 7 mm Punching capacity thickness 8 mm	Boshin Kogyo K.K.	70	2	"
893	Shore Hardness Testing machine		Sugai Keiki Seisakusho	5	1	Test of material
894	Shore hardness Testing machine		Sugai Keiki	5	1	"
895	Shore Hardness Testing machine		Taimai Shokai	5	1	"
896	Sawing machine (Hack)	Max. work size 170 mm	Hodogaya	60	1	Cutting of material
897	Universal Grinding machine	Max. dia. of work (external) 280 mm	Cincinnati	80	1	Grinding tool
898	Horizontal Milling machine	Longitudinal feed 730 mm Vertical feed 430 mm Cross feed 260 mm	"	100	1	Fire extinguisher

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-899	Vertical milling	Longitudinal feed 700 mm Cross feed 250 mm Vertical feed 380 mm	Zbro-Jovka	100	1	Fire extinguisher
900	Horizontal Milling machine	Longitudinal feed 380 mm Vertical feed 350 mm Cross feed 145 mm	Okuma Tekkosho	100	1	"
901	Gear Hobber	No. of spindle 2 Max. capacity (diameter) 600 mm	Kashifuzi Tekkosho	60	2	"
902	Turret lathe	Round bar capacity 25 mm	Alfred Herbert	100	2	"
903	"	" 25 mm	"	100	2	"
904	"	Round bar capacity 50 mm	"	100	1	"
905	Turret lathe	Round bar capacity 42 mm	"	100	1	"
906	Engine lathe	Swing diameter 380 mm Center to center 1000 mm	Hirao Tekkosho	100	1	"
907	"	"	"	100	1	"
908	"	"	"	100	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-909	Engine lathe	Swing diameter 380 mm Center to center 1000 mm	Hirao Tekkosho	100	1	Fire extinguisher
910	"	"	Takizawa Tekkosho	100	2	"
911	Drilling machine	Drilling capacity in steel (dia.) 20 mm Distance, spindle center to column 190 mm	Mitsubishi Kosakuki Seisakusho	100	1	"
912	Buffing machine	R.P.M. 1730	Nippon Denki Kogu Seizosho	80	1	Electric water heater
913	Face lathe	Swing diameter 250 mm	Sheun Seisakusho	100	1	"
914	Drilling machine	Drilling capacity in steel (dia.) 50 mm Distance, spindle center to column 330 mm	Hirao Tekkosho	100	1	"
915	Engine lathe	Swing diameter 400 mm Center to center 1200 mm.	Hirao Tekkosho	100	1	"
916	"	" 380 mm " 1000 mm	"	100	1	"
917	"	" 380 mm " 1000 mm	"	100	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-918	Engine lathe	Swing diameter 380 mm Center to center 1000 mm	Hirao Tekkosho	100	1	Fire extinguisher
919	"	"	"	100	1	"
920	"	"	"	100	1	"
921	Die sinker	Max.swing diameter 89 mm	Pratt and Whitney	100	1	"
922	Vertical Milling machine	longitudinal feed 700 mm Vertical feed 380 mm Cross feed 250 mm	Lbrojevka	100	1	"
923	Radial Drilling machine	Max. distance, spindle center to column 1200 mm	Unknown	80	2	"
924	Slotter	Length of stroke 270 mm	Hoymar & Pliz	100	1	"
925	Planer	Max.Height of work 850 mm Max.width of work 800 mm Table travel 2400 mm	Osaka Yabe Sei-saku-sho	100	1	"
926	square shear	Length of cut 1000 mm Thickness of work stock 1 mm	Unknown	60	1	Electric water heater

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Page 13.

Code	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-927	Friction press	Pressure	50 ton Osaka press Seisakusho	80	2	Electric water heater
928	Square shear	Length of cut Thickness of work stock	600 mm 2 mm Boshin Kogyo K.K.	50	2	"
929	"	"	2000 mm 2 mm "	70	1	"
930	Sletter	Length of stroke	30 mm Kagamigahara Seiki Seisakusho	100	1	Fire extinguisher
931	Screw press	Pressure	1/8 ton Unknown	70	1	"
932	Arc welding machine	200V 300A	Osaka Hen-atsuki K.K.	100	1	Electric water heater
933	"	"	"	100	1	"
934	Bending machine	Thickness of work stock	2 mm Boshin Kogyo K.K.	60	2	"
935	Rockwell Hardness Testing machine	Capacity 15-30-45 Kg.	Sugai Keiki Seisakusho	5	1	Test of material
936	"	"	"	5	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-937	Rockwell Hardness Testing machine	Capacity 60-100-150 Kg.	Taimei Shokai	5	1	Test of material
938	Vickers Hardness Testing machine	Capacity 1-20 Kg.	Armstrong	5	1	"
939	Brinell Hardness Testing machine	Capacity 3,000 Kg.	Takasagomori Shikenki Sei- sakusho	5	1	"
940	Vickers Hardness Testing machine	Capacity 1-40 Kg.	Shimazu Seisakusho	5	1	"
941	Impact Testing machine	Capacity 30M-kg.	"	5	1	"
942	Brinell Harndess Testing machine	Capacity 300 Kg.	Tokyokoki Seisakusho	5	1	"
943	Bending fatigue Testing machine	Capacity 30 kg.	Shimazu Seisakusho	5	1	"
944	"	"	"	5	1	"
945	Magna Flux	Capacity D.C.200V 20A	Kuwata Denki Seisakusho	10	1	"
946	Commutator Motor	5 H.P. 15A. 60 cycle	Osaka Teikoku Kogyo	5	1	Test of power

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-947	Shaper	Length of stroke 600 mm	Okuma Tekkosho	100	1	Electric water heater
948	Cut-off machine (high speed)	Max. dia. of work 100 mm	Nippon Kosokudo Seisudanki	100	1	Fire extinguisher
949	Hammer (power crank)	Falling weight 45 kg. Working 200mm x 100 mm	Kumagaya Seisakusho	20	1	"
950	Hammer (air)	Falling weight 1500 kg. Working area 400 mm.x 300 mm.	Toyo Seisakusho	100	1	"
951	Hammer (steam)	" 1000 kg. " 250 mm.x 350 mm	Toyo Seisakusho	70	1	Electric water heater
953	"	" 500 kg. " 200 mm x 250 mm	Toyo Seisakusho	50	1	"
954	Rectifier	A.C.side 3 HP. 50-60 cycle 200V 30 A.D.C.side 24-30V.	Nippon Shinko K.K.	80	1	Electric water heater
955	Electric furnace muffle	Inside volume 600 mm.x400 mm x 1500mm. Max.temp. 600°C. Operating temp. 450°C.	Shimazu Seisakusho	100	1	Fire extinguisher
956	Electric furnace muffle	40 KW.	Chubu Denki Seisakusho	70	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-957	Trimming press	Pressure 100 ton	Ishihara Kyodai Seisakusho	70	1	Fire extinguisher
959	Sawing machine Hack	Max.dia.of work 200 mm.	Washino Seiki K.K.	100	1	Shearing of material
960	Transformer	Capacity 5 KVA	Tokyo Shibaura Denki Seisakusho	100	1	Electric arrangement
962	Metal heating furnace	200V	Matsushita Denki K.K.	50	1	Solution of light material
963	Sand mixer		Naniwa Kikai Seisakusho	70	1	For casting
964	Air compressor	Pressure 7 kg/cm ²	Hidachi Seisakusho	80	1	Compressed for water service
965	"	"	Mikuni Tekkosho	20	1	"
967	Electric welding machine	300A	Osaka Hen-atsuki K.K.	100	1	Electric water heater
968	Transofrmer	150 KVA	"	100	1	Electric arrangement
969	"	150 KVA	"	100	1	"

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1145	Drilling machine (Bench type)	Max. dia. of work in steel 10 mm	Hitachi Seisakusho	100	1	Fire extinguisher
1146	"	"	"	100	1	"
1147	"	"	"	100	1	"
1148	"	"	"	100	1	"
1151	Switch gear low voltage	250 V 1800A	Takamura Denki Seisakusho	100	2	Electric arrangement
1159	" high voltage	3500V 100A	Kuwayama Denki Seisakusho	100	2	"
1160	Switch gear high voltage	"	"	100	2	"
1800	Engine lathe	Swing dia. 380 mm Center to center 900 mm.	Takizawa Tekkosho	100	1	Fire extinguisher
1808	"	"	"	100	1	"
1809	"	"	"	100	1	"

Kawasaki Press work shop

Page 1.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use.
09-6-31	Vertical Milling machine	Table travel, Longitudinal feed 100 mm Cross feed 350 mm Vertical feed 550 mm	Milwaukee	90	1	Repairing for machinery and manufacturing of pressing dies
71	Engine lathe	Swing dia. 500 mm Center to center 1250 mm	Daiko Kikai Seisakusho	95	1	Repairing for machinery and lathing for pressing dies
203	Cut off machine	Max. diameter of work 60 mm.	Nippon Kosokudo Setsudan Kenmaki K.K.	85	1	Cutting of metal bar and pipe
250	Engine lathe	Swing dia. 460 mm Center to center 1380 mm	Toyo Kikai K.K.	95	2	Repairing for machinery and lathing for pressing dies
255	"	"	The B.K. Leblond M.J.Co.	95	1	"
260	Horizontal Milling machine	Table travel Longitudinal feed 700 mm Cross feed 300 mm Vertical feed 500 mm	Milwaukee	90	1	Repairing for machinery and manufacturing of pressing dies
313	Planer	Length width of Table 2600m x 800 mm.	Kitakami Kikai Seisakusho	90	2	Manufacturing of press dies for relay box and coal car.

Kawasaki Press work shop

Page 2.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use.
09-6-327	Horizontal Milling machine	Table Travel Longitudinal feed 1000 mm Cross feed 300 mm Vertical feed 350 mm	Milwaukee	90	1	Repairing for machinery and manufacturing of pressing dies.
328	Vertical Milling machine	Table Travel Longitudinal feed 1000 mm Cross feed 300 mm Vertical feed 350 mm	"	90	1	"
341	Drilling machine	Drilling capacity 20 mm Distance, spindle center to column 180 mm	Alfred-Herbert Ltd. Conventry	85	2	Manufacturing of pressing dies for tail signal & relay box
353	Radical drilling machine	Drilling capacity 50 mm Distance, spindle center to column 1050 mm	Tos Tekkosho	85	1	Manufacturing of pressing dies for coal car and relay box.
364	Sheet roll leveller	Max.width and thickness of work stock 1200x 3 mm.	Karl Ungeler	90	1	Straightening out strain of sheet metal.
371	Shope bending machine	Max.thickness of work stock 8 mm Max.width 3 M.	Weingarten	90	1	Manufacturing for relay box & coal car
374	Forging machine Hammer, air drop	Falling weight 700 kg. Stroke 1000 mm size of bed 120x 980 mm.	Chambersburg	75	1	"

Kawasaki Press work shop

Page 3.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use.	Class	Products & Use.
09-6-388	Drilling machine	Drilling capacity (dia) 30 mm. Distance, spindle center to column 230 mm	Deutsche ware	85	1	Manufacturing of press dies for tail signal and relay box.
414	Square shear	Length of cut 1 M Thickness of work stock 1.5 mm.	E.W. Bliss	85	1	Cutting of Shear metal
450	Eccentric press	Pressure 30 ton	Yamakawa- Juatsuki K.K.	85	1	Manufacturing of relay box and signal bell, coal car.
409	Shaper	Length of stroke 620 mm	Nakagawa Seisakusho	90	1	Repairing for machinery and manufacturing of press dies
478	Eccentric press	Pressure 25 ton	Makiyama Seisakusho	85	1	Manufacturing of relay box and signal bell, coal car.
503	Shaper	Length of stroke 620 mm	Nakagawa Seisakusho	90	1	Manufacturing of relay box, coal car, signal bell and pressing dies
568	Transformer (Single phase)	Electric capacity 20 KVA 60 cycles, Primary voltage 3450V. 3300V. 3150V Secondary voltage 210 V. 105V.	Osaka Hen-atsuki K.K.	100	1	Step-down of voltage

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use.	Class	Products & Use.
09-6-569	Transformer	Electric capacity 20 KVA 60 cycles. Primary voltage 3450V 3300V. 3150V. Secondary voltage 210V. 105V.	Osaka Hen-atsuki K.K. K.K.	100	1	Step-down of voltage
582	"	Electric capacity 30 KVA. 60 cycles. Primary voltage 3,450 V.- 3300V-3150V-3000V-2850V. Secondary voltage 210V- 105V Secondary current 143A.	"	100	1	"
583	"	Electric capacity 30 KVA 60 cycles. Primary voltage 3450V- 3300V-3150V-3000V-2850V. Secondary voltage 143A.	"	100	1	"
589	"	Electric capacity 1000 KVA. 60 cycles. Primary voltage 38000V.- 29000V-22000V-18000V. Secondary voltage 3450V 3300V. 3150V. Secondary current 303A	Torishima Denki Saisakusho	100	1	"
590	"	"	"	100	1	"
591	"	"	"	100	1	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use.
09-6-592	Transformer	Electric capacity 1000 KVA. 60 cycles. Primary voltage 38000V.- 29000V-22000V-16000V. Secondary voltage 3450V 3300V. 3150V. Secondary current 303A	Torishima Denki Seisakusho	100	1	Step-down of voltage
682	Vertical Milling machine	Table travel Longitudinal feed 1000 mm Cross feed 400 mm Vertical feed 200 mm	Cincinnati	90	1	Manufacturing of relay box coal car, signal bell and pressing dies.
686	Engine lathe	Swing dia. 450 mm center to center 1000 mm.	Shoun Kosakusho	90	1	Manufacturing of relay box, coal car, signal bell and pressing dies.
689	Vertical Milling machine	Table Travel Longitudinal feed 500 mm Cross feed 350 mm Vertical feed 350 mm	Milwaukee	90	1	Manufacturing of relay box, coal car, signal bell and pressing dies.
749	Inclinable press	Pressure 30 ton	E.W. Bliss Co.	90	1	Manufacturing of relay box, coal car and signal bell.
751	Eccentric press	" "	Yamakawa press K.K.	90	1	"
760	Inclinable press	" "	Kimura Tekkosho	90	1	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use
09-6-779	Double action Can press	Pressure 500 ton	Noma Tekkosho	85	1	Manufacturing of relay box, coal car and signal bell
801	Square shear	Length of cut 3000 mm Thickness of work stock 3 mm	Niagara	80	1	Shearing of sheet metal manufacturing of relay box, coal car and signal bell.
806	Nibbling machine	Thickness of work stock 1.6 mm.	Weingarten	75	1	Cutting of sheet metal
808	Sletter	Length of stroke 250 mm	Fukui Tekkosho	90	1	Manufacturing of relay box, coal car, signal bell and pressing dies
818	Rotary disc Shear	Max.work stock 1550 mm.	Pettingell machine Co.	80	1	Cutting of sheet metal
835	Drawing bench	Length of bench 15 M.	Boshin Seisakusho K.K.	80	1	Drawing out of long sheet metal parts.
838	Inclinable crank press	Pressure 40 ton	Tokyo Bankin Kikai Seisakusho	80	1	Manufacturing of relay box, coal car, signal bell.
841	Gang slitting Shear	Max.work stock 650 mm	Ishihara Kikai Seisakusho	80	1	Cutting of sheet metal.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use.	Class	Products & Use.
09-6-852	Turret Lathe	Round bar capacity 80 mm	Jones & Lamson Machine Co.	90	1	Manufacturing of relay box, coal car, signal bell and pressing dies.
866	Rotary air Compressor	Pressure 7 kg/cm ² 175 H.P.	Dengyosha Gendoki Seisakusho	100	1	Riveting, painting and working the drop hammer.
868	Bending machine	Max. width 3000 mm. Max. thickness of work stock 2 mm.	Dreis & Kurmp	95	1	Manufacturing of relay box, coal car and signal bell.
970	Square shear	Length of cut 1600 mm. Thickness of work stock 2 mm.	Esaki Tekkosho	90	2	Shearing of sheet metal manufacturing of relay box and tail signal.
971	"	" 2000 mm. " 2 mm.	Kimura press Seisakusho	80	1	"
972	Foot shear	" 600 mm " 1.2 mm.	Unknown	70	1	"
973	Filling machine	Max. work size 100 mm.	Tokyo Shikenki Seisakusho	50	1	Pressing dies for relay box and tail signal
974	Engine lathe	Swing diameter 360 mm Center to center 1070 mm	Takizawa Tekkosho	95	2	Repairing for machinery and lathing for pressing dies.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use.
09-6-975	Engine lathe	Swing diameter 240 mm Center to center 720 mm	Okuma Tekkosho	90	2	Repairing for machinery and lathing for pressing dies.
976	Horizontal Milling	Table Travel Longitudinal feed 750 mm Cross feed 300 mm Vertical feed 400 mm	Milwaukee	95	1	Manufacturing of relay box and pressing dies
977	Vertical Milling	" " 600 mm " 300 mm " 380mm	Zbrojovka	90	1	Repairing for machinery and manufacturing of pressing dies.
978	Engine lathe	Swing dia. 300 mm Center to center 1000 mm	Hirao Tekkosho	85	1	Repairing for machinery and lathing for pressing dies.
979	Drilling machine	Drilling capacity in steel 50 mm Distance spindle "center to column 310 mm	"	80	1	Manufacturing of pressing dies for tail signal and relay box.
980	Shaper	Length of stroke 500 mm	Nakagawa Seisakusho	95	1	"
981	Cutter grinder	Size of table. 1185x200 mm. Table travel 510 mm.	Yamaguchi Seiki K.K.	60	1	Grinding the face mill cutter
982	Vertical Milling	Table Travel Longitudinal feed 500 mm Cross feed 200 mm Vertical feed 390 mm	Zbrojovka	90	2	Repairing for machinery and manufacturing of pressing dies

Code	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products & Use.
09-6-983	Hack sawing machine	Max.work size	130 mm Tsuno Shoten	70	2	Cutting of bar
984	Special tool Grinding machine	Size of table 925 mmx175mm. Table travel	800 mm Uroko Seisakusho	70	2	Grinding edge of Square shear
985	Tool Grinding machine	Diameter and thickness of wheel 500mm.x 65 mm.	Kobayashi Shoten	70	2	Grinding all kinds of cutter and tool
986	Inclinable press	Tons pressure	60 tons Kimura press K.K.	80	1	Manufacturing of relay box and tail signal
987	"	"	"	80	1	"
988	"	"	"	80	1	"
989	"	"	30 tons Ishihara Kyodai K.K.	95	1	"
990	Double action press	"	15 " Tayler & Challen Ltd.	80	1	"
991	Slotter	Tons pressure Stroke of punch	30 tons Kaganigahara 100 " Seiki Seisakusho	90	1	"
992	Friction press	Tons pressure	60 " Hasebe Kikai Seisakusho	70	1	"

Kawasaki Press work shop						Page 10.
Code	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use.
09-6-993	Friction press	Tons pressure	100 tons Osaka Press Seisakusho	80	1	Manufacturing of relay box and tail signal
994	"	"	60 tons Hasebe Kikai Kosakusho	70	1	"
995	Hammer (air drop)	Kg. of falling weight	2 " Sumitomo Kikai Kogyo K.K.	90	2	"
996	Electric arc welding machine	Capacity 20 K.W.	Osaka Denki K.K.	80	1	Manufacturing of relay box.
997	"	" 10 K.W.	"	70	1	"
998	Electric welding machine (spot type)	Capacity 35 KVA	Osaka Hen-atsuki K.K.	85	1	"
999	Air compressor	Max. pressure 4.3kg/cm ² 15 H.P.	Unknown	100	1	Rivetting painting and working the drop hammer
1000	Bending machine (Sheet roll)	Max. width of work stock 1200 mm. Max. thickness of work stock 1.2 mm.	"	50	1	Manufacturing of relay box
1001	Bending machine (Manual)	Max. thickness of work stock 0.8 mm.	Weingrten	50	2	"

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Kawasaki Press work shop

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Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use.	Class	Products and Use.
09-6-1002	Bending machine (sheet press)	Max.width of work 2000mm. Max.thickness of work stock 1.2 mm.	Yamakawa Press K.K.	95	1	Manufacturing of relay box
1003	Double action press	Tons pressure 50 tons	Esaki Tetsukosho	80	1	Manufacturing of relay box and tail signal
1004	Engine lathe	Swing over bed 400 mm Swing over gap 760 mm Center to center 1600 mm	Hirao Tekkosho	90	1	Repairing for machinery and lathing for press- ing dies
1005	Bending machine (sheet forming rolls)	Max.thickness of work stock 1.6 mm.	Pettingell Machine Co.	70	1	Manufacturing of relay box
1006	Inclinable press	Tons Pressure 40 tons	Tokyo Bankin Kikai Seisakusho	80	1	Manufacturing of relay box and tail signal.
1007	Double action press	" 300 "	Yamakawa press Seisakusho	80	1	Manufacturing of relay box
1008	Heat treating furnace	Capacity 50 KW	Hokushin Denki Seisakusho	90	2	Using of heat treatment of metal
1009	Double action press	Tons pressure 100 ton	Noma Seisakusho	80	2	Manufacturing of relay box and tail signal
1010	Transformer (Single phase)	Capacity 150 KVA	Osaka Henetsuki K.K.	100	1	Step-down of voltage.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use.
09-0-1011	Transformer (Single phase)	Capacity 150 KVA	Osaka Hen-atsuki K.K.	100	1	Step-down of voltage
1012	"	"	"	100	1	"
1013	" (Three phase)	" 100 KVA	Kanada Denki Seisakusho	100	1	Using of percalining
1014	" (Single phase)	" 35 KVA	Hokoku Denki Sesisakusho	100	1	"
1015	" (Single phase)	" 35 KVA	"	100	1	"
1016	Air compressor	Max. pressure 7 kg/cm ² 3 H.P.	Meiji Kuki Kikai Seisakusho	100	1	Using of painting and rivetting
1017	"	" 5 H.P.	Unknown	100	1	"
1018	Drilling machine	Max. dia. in steel 10 mm.	Hidachi Seisakusho	90	1	Manufacturing of small pressing dies
1019	"	" "	Toa dendo Kogyo K.K.	90	1	Manufacturing of relay box
1020	Portable grinder	Max. dia. grinding stone 150 mm.	Hidachi Seisakusho	50	1	Finishing of small dies

Kawasaki Press work shop

Page 13.

Code	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use.	Class	Products and Use.
09-6-1021	Grinder (stand type)	Max. dia. grinding stone 200 mm.	Sogabe Shoten	50	1	Finishing of dies for pressing.
1022	Drilling machine (Bench type)	Max. dia. in steel 10 mm Distance, Center to column 150 mm	Tea Seisakusho	80	1	Manufacturing of relay box
1023	"	Max. dia. 10 mm. Distance, Center to column 150 mm.	Hidachi Seisakusho	80	1	Manufacturing of small pressing dies
1779	Transformer (Single phase)	30 KVA	Tokyo Shibaura Seisakusho	100	1	Step-down of voltage
1780	" (Single phase)	30 KVA	"	100	1	"
1781	Inclinable press	Pressure 30 ton	Kimura press K.K.	80	1	Manufacturing of relay box, signal bell and coal car
1782	"	" 20 ton	"	80	1	"

Kawasaki Wood work shop

Page 1.

Code	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use.
09-6-1061	Surface grinding machine	Longitudinal 800 mm	Taihei Seisakusho	100	1	Grinding of cutter
1084	Friction press	Tons pressure 40 ton	Hasebe Seisakusho	80	1	Farm tool
1090	Shaper	Length of stroke 400 mm	Nakagawa Seisakusho	100	1	"
1091	Engine lathe	Swing dia. 140 mm Center to center 680 mm	Shimamoto Seisakusho	100	1	"
1092	Vertical Milling machine	Table Travel Longitudinal feed 900 mm Cross feed 300 mm Vertical feed 400 mm	Cincinnati	0	2	Being repaired
1093	Slotter	Length of stroke 320 mm	Fukui Tekkosho	80	1	Farm tool
1096	Radial Drilling machine	Max. distance, spindle Center to column 1000 mm Drilling capacity in cast iron (dia) 30 mm	Cincinnati	80	1	"
1097	Shaper	Length of stroke 400 mm	Nakagawa Seisakusho	100	1	"
1098	Engine lathe	Swing dia. 140 mm Center to center 680 mm	Riken Kogyo	100	2	"

Kawasaki Wood work shop

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1100	Eccentric press	Tons pressure 20 ton	Hasebe Seisakusho	80	1	Farm tool
1101	Drilling machine	Distance, spindle center to column 190 mm	Mitsubishi Kosakusho	100	1	Farm tool and Jig
1102	Horizontal Milling machine	Table Travel Longitudinal feed 900 mm Cross feed 300 mm Vertical feed 300 mm	Cincinnati	100	1	"
1103	Engine lathe	Swing dia. 350 mm Center to center 900 mm	Hirao Seisakusho	100	1	"
1104	Hack Sawing Machine	Max. dia. work size 200 mm	Morimoto Sangyo	100	1	"
1105	Arc Welding machine	Capacity 20 KW	Yezai Shokai	30	1	Farm tool
1106	Transformer	Capacity 30 KVA	Osaka Hen-atsuki	100	1	Step-down of voltage
1107	"	" 50 KVA	"	100	1	"
1108	"	" 10 KVA	Shibaure Denki	100	1	"
1112	Air compressor	Max. pressure 5 kg/cm ²	Mikuni Tekkosho	100	1	Painting of wood production

Kawasaki Wood work shop

Page 3.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use	
09-6-1117	Drilling machine	Drilling capacity in steel (dia)	Hidachi seisakusho	0	1	Being repaired	
1118	"	"	"	100	1	Folding chair and sewing machine table	
1119	Drilling machine	"	Tea Dendo Kogyo Seisakusho	100	1	"	
1120	"	"	Hidachi Seisakusho	0	1	Being repaired	
1121	"	"	"	100	1	Farm tool	
1122	"	"	"	100	1	"	
1124	Switch gear	V A Phase	Nakadachi Denki Seisakusho	3500 30 3	100	1	Step-down of voltage
1125	"	V A Phase	Nakadachi Denki Seisakusho	3500 75 3	100	1	"
1126	"	V A Phase	"	3500 300 3	100	1	"

Kawasaki Wood work shop

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1127	Grinding machine	Max. dia. of grinder 300mm.	Toa Teikosho	100	1	Farm tool and Jig
1262	Portable Electric Drill	Drilling capacity in steel (dia) 3/4 inch	Mitsubishi Denki	100	1	Drilling of small parts
1263	Portable Electric Drill	" 1/4 inch	Hidachi Seisakusho	100	1	"
1264	"	" 1/2 "	Tokyo Shibaura Denki.	100	1	"
1265	"	" "	"	100	1	"
1266	"	" 1/4 inch	Unknown	100	1	"
1267	"	" "	Unknown	100	1	"
1297	Transformer (Single phase)	Electric capacity 75 KVA Primary voltage, 3450 3300 3150 Secondary voltage, 210-105V.	Osaka Hen-atsuki K.K.	100	1	Step-down of voltage
1799	"	Electric capacity 75 KVA Primary voltage, 3450 3300 3150 Secondary voltage 210-105 V	"	100	1	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-258	Stand Grinding machine	Dia. of wheel thickness	300 mm 60 mm	Mizuho Kikai Seisakusho	80	Finishing of small 1 parts
451	Eccentric press	Pressure	30 ton	Yamakawa-Juatsuki K.K.	40	1 Repair of auto body
733	Drilling machine	Drilling capacity in steel Distance, spindle Center to column 180 mm.	30 mm	Mitsubishi Kosakukikai K.K.	80	1 Repair of auto engine
766	Sheet roll bending machine	Max. length " thickness	2000 mm 2 mm	Hasebe Kikai Seisakusho	50	1 Repair of auto body
832	Square shear	Length of cut Thickness of work stock	1340 mm 3 mm.	Ishikawa Tekkoshu	40	1 Cutting of sheet metal
1128	Arc Welding machine	A.C. 220 V. 28 KW		Osaka Hen-atsuki K.K.	30	1 Repair of auto engine
1129	Horizontal boring machine	Dia. of boring bar	85 mm.	Shinoda Denki Kejie	10	3 Repair of worn out cylinder
1130	Hydraulic hand press	Max. pressure	150 kg/cm ²	"	40	2 Fixing up of auto engine
1131	Air compressor	Max. pressure	12kg/cm ²	"	100	2 Feeding of air for tire

Kawasaki Auto Repair Shop

Page 2.

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1132	Engine lathe	Swing dia. (gap) 600 mm Center to center 1830 mm	Washino Shoten	20	3	Repair of auto engine and body
1133	Drilling machine	Drilling capacity in steel 50 mm Distance Spindle center to column 450 mm	Shinoda Denki Kojie	30	2	Repair of auto engine and body
1135	External Grinding machine	Max. dia. of work 100 mm	Hayashikan Shoten	50	2	Piston pin and crank pin
1136	Engine lathe	Swing dia. 250 mm Center to center 825 mm	Kasugai Kikai Seisakusho	100	2	Repair of auto engine and body
1137	Engine lathe	Swing dia. 250 mm Center to center 825 mm	Kasugai Kikai Seisakusho	100	2	"
1138	Portable Vertical Boring machine	Dia. of working surface 100 mm Length of working surface 350 mm	Shinoda Denki Kojie	90	2	Repair of worn out cylinder
1139	Horizontal Milling machine	Table Travel Longitudinal feed 420 mm Cross feed 585 mm Vertical feed 140 mm	Washino Shoten	30	2	Repair of auto engine and body
1140	Shaper	Length of stroke 355 mm	Washino Shoten	40	2	"

Auto Repair shop

Page 3.

Name of machine	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
1141 Hack Sawing machine	Max. works size	130 mm Hokuroku Shoten	50	2	Repair of auto engine
1143 Grinding machine (Dual Head)	Dia. of grinding stone	300 mm. Hidachi Seisakusho	100	2	Finishing of small parts
1144 Induction motor	Cycles 60 3 phase Voltage 220 Amp. 13.2,3 HP. 1800 RPM.	Mitsubishi Denki K.K.	100	1	Driving of all machines

Code Number	Name of Machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1833	Transformer	5 KVA	Hidachi	100	1	Step-down of voltage
1834	"	"	"	"	"	"
1835	"	7.5 "	Tokyo Shibaura	"	"	"
1836	"	"	"	"	"	"
1837	"	"	"	"	"	"
1838	"	"	"	"	"	"
1839	"	"	"	"	"	"
1840	"	"	"	"	"	"
1841	"	"	"	"	"	"
1842	"	10 "	"	"	"	"
1843	"	"	"	"	"	"
1844	"	"	"	"	"	2
1845	"	"	"	"	"	"
1846	"	"	"	"	"	"
1847	"	"	"	"	"	"
1848	"	"	Osaka Hen-atsuki	"	"	"
1849	"	15 "	Tokyo Shibaura	"	"	"
1850	"	"	"	"	"	"

Code Number	Name of machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1851	Transformer	15 KVA	Tokyo Shibaura	100	1	Step-down of voltage
1852	"	"	"	"	"	"
1852	"	"	"	"	"	"
1853	"	"	"	"	"	"
1854	"	"	"	"	"	"
1855	"	"	"	"	"	"
1856	"	"	Osaka Hen-atsuki	"	"	"
1857	"	20 "	"	"	"	"
1858	"	"	"	"	"	"
1859	"	"	"	"	"	"
1860	"	30 "	Tokyo Shibaura	"	"	"
1861	"	"	"	"	"	"
1862	"	"	Osaka Han-atsuki	"	"	"
1863	"	"	"	"	"	"
1864	"	"	"	"	"	"
1865	"	"	"	"	"	"
1866	"	"	"	"	"	"
1867	"	"	"	"	"	"
1868	"	"	Hidachi	"	"	"

Chubu-Maiden (Chubu Electric Supply Co.)

Code Number	Name of Machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-1869	Transformer	50 KVA	Osaka Hen-atsuki	100	1	Step-down of voltage
1870	"	"	"	"	"	"
1871	"	"	Hidachi	"	"	"
1872	"	"	"	"	"	"
1873	"	"	"	"	"	"
1874	"	"	"	"	"	"
1875	"	"	"	"	"	"
1876	"	"	"	"	"	"
1877	"	350 "	"	"	"	"
1878	"	"	"	"	"	"

Summarized as follows:

Page 4.

Capacity	Number
5 KVA	2
7.5 "	7
10 "	7
15 "	8
20 "	3
30 "	9
50 "	8
350 "	2
Total.	46

Description of Use	Number
Occupation Forces	4
Sawmill	13
Bakery	2
Oil Refinery	1
Iron Works	4
Communications	2
Roof Tile Industry	2
For Light and Heats in General Houses	14
Total.	46

Used by the Occupation Forces.

Code Number	Name of Machines	Operating Dimensions	Manufacturer	% of Time in Use	Class	Products and Use
09-6-555	Air Compressor	15 H.P.	Waintortho	0	1	Reserved pump installation for the 24th Regiment water supply.

Kawasaki Sangyo Co., Ltd.
Gifu Office
11 Kasumi-cho, Gifu City.

30 April, 1948

Subject: Application for Approval for " EX " Machines
(Woodwork Machines)
To : Mr. Norman E. Acton, Chief of Economics Section, Gifu
Military Government
Thru : Commerce and Industry Section, Gifu Prefectural Govern-
ment

The following listed machines are all woodwork machines which have been marked with the letter " EX " in compliance with the Military Government instruction.

In relation with the " Plant Evaluation Report " which is being prepared at present time it seems to me necessary to have your confirmation on these machines. Consequently, I hereby would like to submit an application for your approval.

Signature: *Kimiyo Nagano*
Kimiyo Nagano
Title : Chief Custodian

" EX " approved by:

Norman E. Acton
Norman E. Acton
Chief Economics Section,
Gifu Military Government

30 April, 1948

List of Exempted Machinery
(Wood Working Machine)

Name of Plant	No. of Exempted Machine
Gifu Factory	3
Kawasaki Iron Work Shop	1
Kawasaki Wood Work Shop	73
Total	77

Kawasaki Sangyo Co., Ltd.
Gifu Office

Gifu Factory

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-1891	Band Saw	Dia. & Width of Saw 902mmX 64 mm Size of Table 787mmX787 mm	Unknown
1892	"	Dia. & Width of Saw 914mmX 84 mm Size of Table 711mmX711 mm	"
1893	"	Dia. & Width of Saw 610mmX 33 mm Size of Table 533mmX635 mm	"

Kawasaki Iron Work Shop

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2088	Band Saw	Dia. & Width of Saw 600mmX 50 mm Size of Table 1500mmX1500 mm	Akita Mokuzai

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2161	Jig Saw	Length of Saw 100 mm Size of Table Dia. 200 mm	Unknown
2162	"	" 300 mm " 850X950 mm	Washino Seiki
2163	Rip Saw	Dia. of Saw 450 mm Size of Table 1300X950 mm	American Wood Working
2164	Trim Saw	Dia. of Saw 250 mm	Unknown
2165	Jointer	Dia. & Length of Head 80 ^{mm} , 160 mm Knives per Bead 2	Unknown
2166	Trim Saw	Dia. of Saw 200 mm Size of Table 500 mm	Unknown
2167	Trim Saw	Dia. of Saw 280 mm Size of Table 800 ^{mm} X600 mm	Unknown
2168	Band Saw	Dia. of Width of Saw ^{mm} 900, ^{mm} 600 Size of Table 650 ^{mm} X800 mm	Unknown
2169	Boring Machine	Size of Table 300 X 300 mm Max. Drill Capacity 150 mm No. of Spindles 1	Nonaka Shokai
2170	Band Saw	Dia. & Width of Saw ^{mm} 900, ^{mm} 600 Size of Table 800 ^{mm} X900 mm	Kikukawa Tekko
2171	Jointer	Dia. & Length of Head 80, 300 Knives per Head 2	Unknown

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2172	Molding	No. of Head 1 Knives per Head 1 Table Size 800mmX800 mm	Unknown
2173	Lathe	Swing over Bed 210 mm Distance between Centers 1000 mm	Unknown
2174	Boring Machine	Size of Table 750mmX450 mm Max. Drill Capacity 20 mm No. of Spindle 1	Taihei Seisaku
2175	Jointer	Dia. & Length of Head 90mm400 mm Knives per Head 2	Mizutani Tekko
2176	Boring Machine	Size of Table 750mmX450 mm Max. Drill Capacity 200 mm No. of Spindle 1	Taihei Seisaku
2177	Mortise	Table Size 260mmX600 mm Hole Capacity 20 mm	Taihei Seisaku
2178	Planer	Dia. & Length of Head mm mm 130,500 Knives per Head 2	Wadkin & Co.
2179	Jointer	Dia. & Length of Head mm mm 80,300 Knives per Head 2	Unknown
2180	Jointer	Dia. & Length of Head mm mm 100,250 Knives per Head 2	Unknown
2181	Saw Filer	Capacity 25 Teeth/min	Unknown
2182	Saw Filer	Capacity 20 Teeth/min	Unknown
2183	Saw Filer	Capacity 20 Teeth/min	Unknown

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2184	Saw Filer	Capacity	Unknown
2185	Rip Saw	Dia. of Saw 350 mm Size of Table 1550mmX750 mm	Kikukawa Tekko
2186	Rip Saw	Dia. of Saw 350 mm Size of Table 1550mmX750 mm	Kikukawa Tekko
2187	Band Saw	Dia. & Length of Saw 900mm 600 mm Size of Table 600mmX900 mm	Nihon Mokko
2188	Blower	Suction & Discharge size 500 500 mm	Unknown
2189	Disc Sander	Disc of Disc 800 mm	Unknown
2190	Band Saw	Dia. & Width of Saw 900mm 20 mm Size of Table 800mmX800 mm	American Wood Working
2191	Lathe	Swing over Bed 230 mm Distance between Centers 1100 mm	Taihei Seisaku
2192	Lathe	Swing over Bed 170 mm Distance between Centers 700 mm	Taihei Seisaku
2193	Lathe	Swing over Bed 170 mm Distance between Centers 700 mm	Taihei Seisaku
2194	Vertical Milling Machine	Size of Table 750X600 mm Max. Drill Capacity 50 mm	Kikukawa Tekko
2195	Planer	Dia. & Length of Head 130mm400 mm Nives per Head 4	Salmson

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2196	Malder	No. of Head 1 Nives per Head 1 Table Size 750mmX800 mm	Wadkin
2197	Jointer	Dia.& Length of Head mm 130,300 mm Knives per Head 2	Salmson
2198	Planer	Dia.& Length of Head mm mm 130,600 Knives per Head 4	Taihei Seisaku
2199	Planer	Dia.& Length of Head mm mm 130,750 Knives per Head 2	Taihei Seisaku
2200	Band Saw	Dia.& Width of Saw mm mm 900, 60 Size of Table 800X900 mm	Kikukawa Tekko
2201	Band Saw	Dia.& Width of Saw mm mm 900, 60 Size of Table 800X900 mm	Kikukawa Tekko
2202	Band Saw	Dia.& Width of Saw mm mm 900, 6 Size of Table 800X900 mm	Kikukawa Tekko
2203	Trim Saw	Dia. of Saw 25 mm Size of Table 750X450 mm	Shoda Tekko
2204	Planer	Dia.& Length of Head 80mm350 mm Knives per Head 2	Okada Kikai
2205	Band Saw	Dia.& Width of Saw 850mm 30 mm Size of Table 800X600 mm	Unknown
2206	Jointer	Dia.& Length of Head 100 ^{mm} 30 mm Knives per Head 2	Unknown

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2207	Jig Saw	Length of Saw 100 mm Size of Table 200 mm	Unknown
2208	Disc Sander	Dia. of Disc 750 mm Size of Table 1000X350 mm	Unknown
2209	Trim Saw	Dia. of Saw 250 mm Size of Table 500X750 mm	Unknown
2210	Lathe	Swing over Bed 390 mm Distance between Centers 2100 mm	Kikukawa Tekko
2211	Trim Saw	Dia. of Saw 300 mm Size of Table 950X750 mm	Unknown
2212	Lathe	Swing over Bed 180 mm Distance between Centers 600 mm	Unknown
2213	Lathe	Swing over Bed 260 mm Distance between Centers 1100 mm	Unknown
2214	Lathe	Swing over Bed 250 mm Distance between Centers 1100 mm	Unknown
2215	Band Saw	Dia. & Width of Saw 650mm 30 mm Size of Table 800X600 mm	Unknown
2216	Vertical Milling Machine	Size of Table 800X900 mm Max. Drill Capacity 40 mm	Kikukawa Tekko
2217	Band Saw	Dia. & Width of Saw 650mm 30 mm Size of Table 800X600 mm	Unknown
2218	Band Saw	Dia. & Width of Saw 650mm 30 mm Size of Table 600X300 mm	Unknown

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2219	Band Saw	Dia. & Width of Saw 650mm, 30 mm Size of Table 600X800 mm	Unknown
2220	Jointer	Dia. & Length of Head 100mm 250 mm Knives per Head 2	Hattori Tekko
2221	Band Saw	Dia. & Width of Saw 650X 30 mm Size of Table 600X800 mm	Unknown
2222	Band Saw	Dia. & Width of Saw 650mm 30 mm Size of Table 600X800 mm	Unknown
2223	Saw setting Machine	Capacity 150 mm	
2224	Saw Filer	Capacity	Unknown
2225	Band Saw	Dia. & Width of Saw 900mm 60 mm Size of Table 800X900 mm	Kikukawa Tekko
2226	Planer	Dia. & Length of Head 120mm 60 mm Knives per Head 2	Unknown
2227	Jointer	Dia. & Length of Head 90, 350 mm Knives per Head 2	Unknown
2228	Saw Mill	Dia. & Width of Wheel 1220, 150 mm Saw Capacity 6 m	Osaka Tekko
2229	Disc Sander	Dia. of Disc 800 mm	Salmson
2230	Disc Sander	Dia. of Disc 800X 20 mm Size of Table 800X450 mm 750X250 mm	Taihei Seisaku

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2231	Jig Saw	Length of Saw 200 mm Size of Table 350X350 mm	Unknown
2232	Jig Saw	Length of Saw 200 mm Size of Table 350X350 mm	Unknown
2233	Jig Saw	Length of Saw 200 mm Size of Table 900X900 mm	Unknown

Kawasaki Sangyo Co., Ltd.
Gifu Office
11 Kasumi-cho, Gifu city

30 April, 1948

Subject: Application for Authorization of " Using Machines "

To : Mr. Norman E. Acton, Chief of Economics Section Gifu
Military Government

Thru : Commerce and Industry Section Gifu Prefectural Government

The following listed machines are the machines which were allowed to be omitted from the " Inventory Sheet " by the instruction of the Gifu Military Government when the reparations personnel inspected to make the " Inventory Sheet " for the first time. However in relation with the " Plant Evaluation Report " I would like to mark them with the letter " U " because these machines are being employed for production at the present time.

Accordingly, I hereby would like to ask your authorization for using these machines.

Signature:

Kimiyo Nagano
Kimiyo Nagano

Title : Chief Custodian

Authorized Use approved by:

Norman E. Acton
Norman E. Acton
Chief Economics Section
Gifu Military Government

LIST OF USING MACHINERY

<u>Name of Plant</u>	<u>No. of Using Machinery</u>
Kawasaki Iron Work Shop	34
Kawasaki Press Work Shop	8
Kawasaki Wood Work Shop	9
Kawasaki Auto Repair Shop	3
Used by the Occupation Forces	5
Total:	59

Kawasaki Sangyo Co., Ltd.

Gifu Office.

LIST OF USING MACHINERY

Page 1.

Kawasaki Iron Work Shop

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,001	Centrifugal Pump	Capacity 55 ft ³ /Min. Pressure 2 Kg./cm ² 15 H.P.	Hoseyagawa
2,002	Coal Melting Furnace	Capacity 0.3 ton	Kawasaki Iron Work
2,003	"	"	"
2,004	Coal Heating Furnace	Int. Dim. 3,200x 3,000x 2,500mm. Max. Temp. 400°C.	"
2,005	Electric Heating Furnace	Int. Dim. 1,000x 1,200x 1,000mm. 3φ 1.5 K.V.A.	"
2,006	Cupola	Capacity 1 ton	"
2,007	"	"	"
2,008	Sand Riddle (Centrifugal)	One Charge in Kg. 20	Mitsubishi
2,009	Optical Pyrometer	Temp. 0 - 2000°C.	Hokushin
2,010	Pyrometer	Temp. 0 - 1,200°C.	Yokogawa
2,011	Balance	Max. Capacity 1 ton	Unknown
2,012	Coal Heating Furnace	Int. Dim. 12,000x 11,000x 11,000mm Max. Temp. 900°C.	Kawasaki Iron Work

LIST OF USING MACHINERY

Page 2.

Kawasaki Iron Work Shop

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,013	Coal Heating Furnace	Int. Dim. L500 x W300 x H200mm. Max. Temp. 1,300°C.	Kawasaki Iron Work "
2,014	"	Int. Dim. L300 x W200 x H200mm. Max. Temp. 1,300°C.	"
2,015	"	Int. Dim. L500 x W200 x H200mm. Max. Temp. 1,300°C.	"
2,016	Oil Heating Furnace	Int. Dim. L600 x W400 x H400mm. Max. Temp. 1,300°C.	"
2,017	"	Int. Dim. L1,000x W800x H400mm. Max. Temp. 1,100°C.	"
2,018	"	Int. Dim. L1,000x W800x H600mm. Max. Temp. 1,100°C.	"
2,019	Coal Crusher	L1,500 x W1,200 x H1,300mm.	Unknown
2,020	Surface Plate	L1,500 x W1,500 x H 300mm.	"
2,021	"	L2,500 x W1,000 x H 300mm.	"
2,022	"	L1,500 x W1,000 x H 300mm.	"
2,023	Electric Muffle Heating Furnace	Dia. & Depth of Furnace 100x170mm. Device of Temp. Regulation 1,000°C.	Shimazu

LIST OF USING MACHINERY

Page 1.

Kawasaki Press Work Shop

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,090	Switch Gear	3,500V 400A	Takamura Denki
2,091	"	3,300V 200A	"
2,092	Centrifugal Pump	Capacity 26 ft ³ /Min. Head 164 ft. 20 H.P.	Yamano Seisaku
2,093	"	"	"
2,094	Turbine Pump	Head 250 ft. 15 H.P.	Ebara Seisaku
2,095	"	"	"
2,096	Car Self-propelled Gasoline	Capacity 800 Kg.	Nissan
2,097	Balance	Max. Weight 300 Kg.	Taisho Seisaku

LIST OF USING MACHINERY

Page 3.

Kawasaki Iron Work Shop

Inventory

No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,024	Rotary Pump	Capacity 10 L/Min, Pressure 1 Kg./Cm ² 1/8 H.P.	Shimazu
2,025	Balance	Capacity 0.01 - 20 Kg.	"
2,026	"	" 0.0001 - 100 g.	"
2,027	Normal Hydrometer		"
2,028	Fertin Mercury Barometer		"
2,029	Commutator Motor	0 - 2,900 R.P.M. 3 H.P.	Teikoku Kogyo
2,030	Surface Plate	L1,500 x W1,000 x H300 mm.	Unknown
2,031	"	L2,500 x W1,500 x H300 mm.	"
2,032	Car Self-propelled Gasoline	Capacity 0.8 ton	Matsushita
2,033	Blower	Delivery Volume 320M ³ /Min. Delivery Pressure 0.0015 Kg./cm ²	Unknown
2,034	Surface Plate	L1,500 x W1,000 x H300 mm.	"

LIST OF USING MACHINERY

Page 1.

Kawasaki Wood Work Shop

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,146	Balance	Max. Work Dimension 20 Kg.	Gifu Keiki
2,147	"	" 50 Kg.	Omi Doryoko
2,148	"	" 1,000 Kg.	Unknown
2,149	Transit	No. in Group 3	Hattori Seiko
2,150	Centrifugal Pump	Head 14 m. 15 H.P.	Unknown
2,151	Boiler	Working Pressure .6 Kg./cm ²	Hirayama Tekko
2,152	Car Self-propelled Gasoline	Capacity 4 ton	Toyoda
2,153	"	"	Nissan
2,154	Surface plate	L 1,500 x W1,000 x H24 cm.	Unknown

LIST OF USING MACHINERY

Page 1.

Kawasaki Repair Work Shop

Inventory

No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-2,234	Hoist. Hand Chain	Lifting Capacity 3 ton	Shinoda Denki
2,235	Car Self-propelled Gasoline	Capacity 800 Kg.	Osaka Hatsudoki
2,236	"	" 2 ton	Diamond Co., Ltd.

LIST OF USING MACHINERY

Page 1.

Used by the Occupation Forces

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer
09-6-1,886	Turbine Water Pump	Head 30 m. 15 H.P. Suction size 3"	Saga Shokai
1,887	Turbine Water Pump	Head 30 m. 15 H.P. Suction size 3"	Saga Shokai
1,888	Turbine Water Pump	Head 40 m. 20 H.P. Suction size 4"	Ebara Seisakusho
1,889	Water Tank	Dia. and Length - 1,450mm x 2,200mm.	Unknown
1,890	Water Tank	Dia. and Length - 1,450mm x 2,200mm.	Unknown

Kawasaki Sangyo Co., Ltd.
Gifu Office
11 Kasumi-cho, Gifu city

30 April, 1948

Subject: Application for approval for newly purchased and borrowed machines which should be marked with " EX "

To : Mr. Norman E. Acton, Chief of Economics Section, Gifu Military Government

Thru : Commerce and Industry Section, Gifu Prefectural Government

The following listed machines are newly purchased and borrowed machines after the " Inventory Sheet " had been submitted.

In relation with the " Plant Evaluation Report " which is being made at the present time I would like to obtain your approval on this matter I hereby submit an application for your confirmation.

Signature: Kimiyo Nagano
Kimiyo Nagano

Title : Chief Custodian

" EX " approved by:

Norma E. Acton
Norma E. Acton
Chief Economics Section
Gifu Military Government

14 June 48.

30 April 1948

LIST OF EXEMPTED MACHINERY

Name of Plant	No. of Exempted Machinery
Kawasaki Iron Work Shop	54
Kawasaki Press Work Shop	51
Kawasaki Wood Work Shop	6
Total.	111

Kawasaki Sangyo Co., Ltd.

Gifu Office.

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop					Page 1
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,035	Electric Melting Furnace	Capacity $\frac{1}{2}$ ton 100 KVA.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	1 Feb. '47
2,036	Tumbling Machine	Dia. & Length of Body 80 x 130 mm. Capacity 100 Kg.	"	"	1 Oct. '46
2,037	"	Dia. & Length of Body 100 x 100 mm. Capacity 100 Kg.	"	"	"
2,038	Sand Riddle(Electric)	One Charge in Kg.-50 Kg.	"	"	"
2,039	Sand Blast	Max. pressure of Blast 4 Kg./cm ²	Naniwa Kikai	Kumatatsu Shoten	"
2,040	"	"	"	"	"
2,041	Turning Lathe	Length of Bed 1,300 mm.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	"
2,042	Travelling Crane	Railroad Capacity 2 ton Length of travel 40 m. Height of Lift 4 m.	"	"	"
2,043	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Hidachi	Kumatatsu Shoten	10 Jan. '47

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop				Page 2.	
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of moved in
09-6-2044	Bench Drilling Machine	Drilling capacity 10 mm. 1/2 HP.	Hidachi	Kumatatsu Shoten	10 Jan. '47
2,045	Tool & Cutter Grinder	Dia. & Thickness of Wheel 240 x 30 mm 2 HP.	Toa Dendo Kogu	"	"
2,046	Bench Grinder	Dia. & Thickness of Wheel 300 x 100 mm. 2 HP.	Unknown	Chiyoda Shokai	20 Sept. '46
2,047	Bench Buffing Machine	Dia. & Thickness of Wheel 300 x 100 mm. 2 HP.	"	Kumatatsu Shoten	1 Jan. '47
2,048	Air Compressor	Pressure 150 Kg./cm ² 10 HP.	Mikuni	"	1 Feb. '47
2,049	Reciprocating Pump	Pressure 150 Kg/cm ² 10 HP.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	"
2,050	Hand Pump	Pressure 150 Kg./cm ²	"	"	"
2,051	Portable Drilling Machine	6 mm.	Daito	Kumatatsu Shoten	1 Oct. '46

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop					Page 3.
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved in
09-6-2,052	Bench Grinder	Dia. & Thickness of Wheel 280 x 30 mm 2 HP.	Unknown	Chiyoda Shokai	20 Sept. '46
2,053	"	Dia. & Thickness of Wheel 300 x 30 mm 2 HP.	"	"	"
2,054	Electric Heating Furnace	Size of Heating Chamber 290x310x310 mm. Device of Temp. Regulation 20° - 150° C.	Riken	Shimazu	10 Jan. '47
2,055	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Hidachi	Kumatatsu Shoten	"
2,056	Apparatus		Shimazu	Shimazu	"
2,057	Automatic Distillation Apparatus	100V 30A Capacity 5 l/h.	"	"	"
2,058	Friction Press	Pressure 100 ton	Daido Sangyo	Daido Sangyo	1 Aug. '47
2,059	Square Shearing Machine	Length of Cut 1200 mm Thickness of Work Stock 2 mm.	"	"	"
2,060	Roll Bending Machine	Length of Roll 290 mm Thickness of Work 6 mm.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	1 Sept. '46

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop					Page 4.
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2061	Roll Bending Machine	Length of Roll 170 mm. Thickness of Work 6 mm.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	1 Sept. '46
2,062	Portable Pnsumatic Hammer		Unknown	Kyoei Shokai	10 Jan. '47
2,063	Plate Bending Machine	Max. Width of Stock 45 mm. Max. Thickness of Stock 3 mm.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	1 Sept. '46
2,064	"	"	"	"	"
2,065	"	"	"	"	"
2,066	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Hidachi	Kumatatsu Shotan	10 Jan. '47
2,067	"	"	"	"	"
2,068	"	"	"	"	"
2,069	"	"	"	"	"
2,070	Portable Electric Drilling Machine	Drilling Capacity 6 mm.	Mitsubishi	Kyoei Shokai	1 Oct. '46
2,071	"	"	"	"	"

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop					Page 5.
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,072	Portable Electric Drilling Machine	Drilling Capacity 6 mm.	Mitsubishi	Kyoei Shokai	1 Oct. '46
2,073	"	"	"	"	"
2,074	"	"	"	"	"
2,075	"	"	"	"	"
2,076	"	"	"	"	"
2,077	"	"	"	"	"
2,078	"	"	"	"	"
2,079	"	"	"	"	"
2,080	Bench Grinding Machine	Dia. & Thickness of Wheel 240 x 30 mm. 1 HP.	Unknown	Chiyoda Shokai	20 Sept. '46
2,081	Buffing Machine	Dia. & Thickness of Wheel 240 x 30 mm. 2 HP.	"	Kumatatsu Shoten	1 Feb. '47
2,082	Roll Bending Machine	Length of Roll 1240 mm. Thickness of Work 7 mm.	Kawasaki Iron Work Shop	Kawasaki Iron Work Shop	1 Sept. '46
2,083	Car Self-propelled Gasoline	Capacity 0.8 ton	Nissan	Nissan	1 June '47

LIST OF EXEMPTED MACHINERY

Kawasaki Iron Work Shop

Page 6

Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved in
09-6-2,084	Portable Pneumatic Hammer	3 mm.	Unknown	Kyoei Shokai	10 Jan. '47
2,085	Air Compressor	Capacity 4.5m ³ /min. 2 HP.	"	Kumatatsu Shoten	1 Dec. '46
2,086	Electric Resistance Heating Furnace	Size of Heating Chamber 11000 xW700 xH300 mm. 2 KVA	"	"	1 Dec. '46
2,087	Switch Gear	2,500 V. 200A.	Kuwayama	Kawasaki Denki	1 Oct. '46
2,162 2287	Motor Siren	5 H.P.	Ibuki Kogyo	Kumatatsu Shoten	"

LIST OF EXEMPTED MACHINERY

Kawasaki Press Work Shop				Page 1.	
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,098	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Toa Dendo Kogu	Okaya Koki K.K.	1 Nov. '46
2,099	"	"	Hidachi Seisaku	"	"
2,100	"	"	"	"	"
2,101	Bench Grinder	Dia. & Thickness of Wheel 180 x 25 mm. 1/2 HP.	Homma Kosaku	Kumada Shoten	"
2,102	"	1 HP.	Unknown	"	"
2,103	Engine Lathe	Swing 300 mm. Center to Center 1300 mm.	"	Lent from Kagashima Kogyo	"
2,104	Coal Heating Furnace	Size of Heating Chamber 1000x1000x400 mm.	Kawasaki Press Work Shop	Kawasaki Press Work Shop	"
2,105	Surface Plate	12000xW1000xH150	Unknown	Kumada Shoten	1 Apr. '48
2,106	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Toa Dendo Kogu	Okaya Koki K.K.	1 Nov. '46
2,107	"	"	"	"	"
2,108	"	"	Hidachi Seisaku	Okaya Koki K.K.	"

LIST OF EXEMPTED MACHINERY

Kawasaki Press Work Shop					Page 2.
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,109	Bench Grinder	Dia. & Thickness of Wheel 180 x 25 mm. 1/2 HP. Width 600mm. Length 2400mm.	Wakodenki	Okaya Koki K.K.	1 Nov. '46
2,110	Chain Conveyor	Speed 0.15M/Min.-1.5M/Min.	Kawasaki Press Work Shop	Kawasaki Press Work Shop	10 Sept. '46
2,111	"	"	"	"	1 Apr. '47
2,112	Spot Welding Machine	Capacity 20 K.V.A. 100A.	Dangensha	Dangensha	26 Dec. '47
2,113	Hydraulic Press	Pressure 150 ton	Kawasaki Press Work Shop	Kawasaki Press Work Shop	1 Apr. '48
2,114	Friction Press	Pressure 100 ton	Daido Sangyo	Daido Sangyo	10 Jan. '47
2,115	Friction Press	Pressure 100 ton	"	"	"
2,116	Floor Manual Press	Stroke 100 mm Size of Table 200x300mm.	Kawasaki Press Work Shop	Kawasaki Press Work Shop	1 Feb. '47.
2,117	Making Manual Press	Stroke 40 mm. Size of Table 150x100mm.	Fuji Kogyo	Gifu Shoji	"
2,118	"	"	"	"	"
2,119	"	"	"	"	"

LIST OF EXEMPTED MACHINERY

Kawasaki Press Work Shop				Page 3.	
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,120	Making Manual Press	Stroke 40 mm. Size of Table 150x100mm.	Fuji Kogyo	Gifu Shoji	1 Feb. '47
2,121	"	"	"	"	"
2,122	"	"	"	"	"
2,123	"	"	"	"	"
2,124	Bench Drilling Machine	Drilling Capacity 10 mm. 1/2 HP.	Hidachi Seisaku	Okaya Koki	1 Apr. '48
2,125	"	"	"	"	"
2,126	Bench Grinder	Dia. & Thickness of Wheel 180x 25mm. 1/2 HP.	Taihei Seisaku	Gifu Sangyo	"
2,127	Gap Lathe	Swing 250 mm. Center to Center 1,300 mm.	Unknown	Lent from Kagashima Kogyo.	1 May '47
2,128	Compressor	Pressure 7 Kg./cm ² 3 HP.	Meiji Kuki Kikai	Meiji Kuki Kikai	1 Nov. '46
2,129	"	Pressure 5 Kg./cm ² 5 HP.	Kawasaki Press Work Shop	Kawasaki Press Work Shop	10 Nov. '47
2,130	"	Pressure 3.5 Kg./cm ² 1/2 HP.	Safety Motor Car Co.	Lent from Kagashima Kogyo.	10 Jan. '47

LIST OF EXEMPTED MACHINERY

Kawasaki Press Work Shop					Page 4.
Inventory No.	Name of Machine	Operating Dimensions	Manufacturer	Purchased from	Date of Moved-in
09-6-2,131	Compressor	Pressure 10 Kg./cm ² 5 HP.	Hidachi	Ueda Shoten	30 May '48
2,132	Arc Welding Machine	Capacity 25 K.V.A. 300A.	Dengensha	Dengensha	30 Jan. '48
2,133	Spot Welding Machine	Capacity 20 K.V.A. 100A	"	"	26 Dec. '47
2,134	"	"	"	"	15 Jan. '48
2,135	Hardness Testing Machine	Max. Work Dimension Scale 100 Kg. Lead Steel Ball Scale 150 Kg.	Taimai Shokai	Taimai Shokai	15 Jan. '48
2,136	Electric Drying Machine	Length 1500 mm. Width 6000 mm. Depth 2000 mm.	Kawasaki Press Work Shop	Kawasaki Press Work Shop	1 May '47
2,137	Coal Heating Furnace	Size of Heating Chamber 500x 400x 300mm.	"	"	5 Jan. '48
2,138	"	Size of Heating Chamber 1200x1000x400mm.	"	"	5 Apr. '48
2,139	Centrifugal Pump	Capacity 0.1m ³ /Min. Head 10 M. 2 H.P.	Takasago Tekko	Kumada Shoten	10 Nov. '47
2,140	Car Self-propelled Gasoline	27 H.P.	Toyoda	Gifu Jidosha Haikyu Kumiai	25 Jan. '48