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F/A-165 - SUMITOMO LIGHT METALS - SHIMIZU

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PHOTO INTELLIGENCE SECTION
EVALUATION BRANCH
PHOTOGRAPHIC DIVISION
AC/AS, INTELLIGENCE

FUNCTIONAL ANALYSIS REPORT NO. F/A-165
DATE 12 JUNE 1945

TARGET NO: 90.18-2023
NAME OF TARGET: SUMITOMO LIGHT METALS - SHIMIZU
LOCATION: SHIMIZU, HONSHU, JAPAN COORDINATES: 34° 59' N - 138° 30' E

PHOTOGRAPHY:	DATE	MISSION	PRINT NOS.
	5 Nov 44	4 M 2	V3:4,5
	8 Mar 45	5M72	2V:1,2
	17 Apr 45	5M148	2V:17,18

1. This report has been prepared from a study of aerial photographs and a consideration of evaluated ground information supplied by the JOINT TARGET GROUP.
2. FUNCTION:
Though the plant has a clearly defined light industry no specific one can be positively identified with it. All conclusions drawn are taken up in discussion.
3. LOCATION:
On the southern outskirts of SHIMIZU Town, 3/4 miles inland from SURUGA Bay and 1/4 mile W. of ORIDO Bay in the central part of HONSHU JAPAN.
4. SERVICES:
A highway connects the Target with SHIMIZU Town and its system of railroads and roadways. The proximity of the target to the two bays implies that there may be water communication as well, though there is no photo evidence either for or against such a probability.
5. IDENTIFICATION OF FACILITIES:
 - 1,2. Storage-type buildings
 - 3-5. Shops
 - 6,7. Storage-type buildings (probable offices)
 - 8-11. Shops (small stacks at buildings #8, #10 and #11 indicate heat treating facilities).
 - 12-13. Building frames (Structure intact 8 Mar. 45, probable dismantling or incendiary action).
 - 14,15. Shops (small stack indicating heat treatment at building #1)
 - 16,17. Machine shops
 - 18,19. Storage buildings.
 20. Shop (constructed between 5 Nov. 44 and 8 Mar. 45)
 - 21-27. Shops (three small stacks indicating heat treating facilities at bldg. #23).
 - 28,29. Storage building
 - 30,31. Shops
 32. Storage building (constructed between 5 Nov. 44 and 8 Mar. 45)
 33. Probable building foundation (inactive between 5 Nov. 44 and 17 Apr. 45)
 34. Machine shop

5. IDENTIFICATION OF FACILITIES:

- 35. Shop
- 36. Shop in framing stage (inactive between 8 Mar. 45 and 17 Apr. 45)
- 37,38. Final assembly
- 39,40. Storage buildings (building #40 constructed between 5 NOV.44 and 8 Mar. 45).

6. DISCUSSION:

According to one source of intelligence the plant was originally known as SHIMIZU NIPPON GAKKI and was reported producing plywood and alloy aircraft parts. Another source states that the plant was under construction during the early part of 1942 with completion scheduled for some time in the latter part of the year. The plant was to specialize in the construction of plane wings, fuselages and aircraft engines.

Available photo coverage does not disclose any evidence either rebutting or confirming this information; however, certain conclusions have been drawn which are based only on photographic observation:

- a.) The plant possesses a clearly defined light industry.
- b.) From the character of the shops (such as size, construction, north lighting, stacks, etc.) and their disposition in the area the industry housed could very well be the manufacture and assembly of aircraft fuselages, wing sections and allied parts. The majority of the shops appear to be of bench-work type. They could be devoted to tempering, sheet metal working, lathing, milling, sewing, doping, painting and assembly. Final judgment regarding activity, however, must be held in obedience pending sufficient photographic evidence. Ground activity appears to be closely guarded with no tell-tale stock piles or other signs that would aid the analysis.
- c.) The location of a lumber yard 370 yds. E. of the plant tends to confirm the use of plywood but circulation between the two is rather poor and indirect. It is believed the two areas are not related.

7. ACTIVITY:

One medium size shop and two storage buildings have been constructed between 5 Nov. 44 and 8 Mar. 45. A large shop is in the framing stage since 8 Mar. 45. In addition, two large shops have been dismantled or burned out between 8 Mar. 45 and 17 Apr. 45. No useful statement regarding functional activity can be made at this date.

ENCL: CFL: 750.105

INTERPRETED BY:

W.R. TAPPAN
Lt. U.S.N.R.

JTG. CONSULTANT

WARREN HILL
LT. U.S.N.R.

APPROVED BY:

Lee W. Kilgore

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TARGET NO. 90:18-2023 NAME SUMITOMO LIGHT METALS, SHIMIZU DATE 16 JUNE 45 P/A COMPLETED

APPROX. COORD. 34°59'N 138°30'E PHOTO DATE 5 NOV 44 SCALE 1/6000

F/A NO. 165 SORTIE, PRINT NOS. 3PRAM2/3V:5 CONFIDENTIAL
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