

COPY

# Lloyd's Register of Shipping.

(UNITED WITH THE BRITISH CORPORATION REGISTER)



No. M-64391

Port KOBE

15th June, 1960.

L. R. No. OI-F1049-1 to-3

This is to Certify that at the request of Messrs. Okamoto Iron Works, Co., Ltd., Kobe the ~~Open Hearth~~ Electric furnace Steel Forgings ~~or Castings~~ named below ~~was~~ were examined and tested at their works on the 9th June, 1960 and subsequently and found to be so far as could be ascertained, sound and free from defects.

Three (3) Driving Shafts, in vlack forged and annealed condition, for cooling water pump of S6NV-129L type diesel engine.

Dia. of shaft 110mm., to 240mm., total 500mm.

weight 75 kgs. x 3.

The test results are as follows:

Test Mark	Tenacity		Elongation % in 2" 50mm	Reduction of Area %	Bend		Remarks
	<del>T</del> / <del>in</del> YIELD.	Kg/mm <sup>2</sup> ULT.			120°	180°	
N-503	37.2	61.3	27.0	48.9	Good		
Forging Ratio, 10.0 to			47.5				
The original ingot for these shafts was manufactured by Mitsubishi Steel Mfg. Co., Ltd., Nagasaki under charge No. 49375.							

These driving shafts ~~is~~ are intended for Ship No.48 built by

Mukaishima Dock Co., Ltd., Mukaishima

and ~~has~~ have been stamped as follows:

N-503

LLOYD'S KOB  
NO.OI-F1049-1 to-3  
E.I. LR  
13-6-60

E. Itami.

Surveyor to Lloyd's Register.

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FOR LONDON