

REGIONAL OFFICE :
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REF : VIK/INDIV/184/2000
 DATE : 30 MAY 2000
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 GKP:ANG

Certificate No. : 5301 / 24 / 006662

CERTIFICATE OF INSPECTION.

As per instructions received from M/s. Nautilus Maritime Co. Pvt. Ltd., Mumbai, we attended for inspection of Crankshaft and report as under :-

CLIENT : M/s. Nautilus Maritime Co. Pvt. Ltd.,
 34, Kartar Bhavan,
 121, Shahid Bhagat Singh Road, Colaba,
 MUMBAI - 400 005.

DESCRIPTION OF MATERIAL : CRANKSHAFT FOR DEUTZ MARINE ENGINE.

PLACE & DATE OF INSPECTION : At Vendor's works at Mumbai,
 On 25 and 27 May 2000.

INSPECTION : 1) Above Crankshaft was identified with markings as below :


46 - 1548	(ME) (ME)
41398	DEUTZ
518	
BV	895
27.5.60	
267470 ZI	Nil 152 N
A	



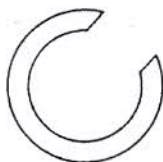
- 2) The Crankshaft is suitable for DEUTZ TURBO CHARGE Marine Engine; the measurements being :-
 - i) Dia of Journal (A) 219.92 to 219.97 mm
 - ii) Dia of Journal (B) 219.89 to 219.96 mm
 - iii) Dia of Crank Pin (A) 209.92 to 209.96 mm
 - iv) Dia of Crank Pin (B) 209.91 to 209.97 mm
 - v) Crank Pin width (without bearing) 132 mm
- 3) Alignment of the shaft found straight,
- 4) The dimensions found standard and not machined,
- 5) Acceptable minimum scoring marking on pins,
- 6) All pins were polished and in good order,
- 7) Ultrasonic Test, particularly on journals and pins.

The results of inspection were satisfactory.

PACKING : Bolts were put between the webs to keep the crankshaft straight. All Pins were polished and wrapped in waterproof tape. All oil holes had caps.

After inspection,  yellow sticker was put on the web.

For **SGS INDIA LIMITED.**



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