

"PAMIR" & "PASSAT" - 4 mst bk - auxiliary propelling engines
 MAIN PROPELLING OIL ENGINES. No. 22006A & 22171 respectively in E.F.B.
Shafting Endorsement.

Shipbuilders: Messrs.

Yard No.

Engineers: Messrs. *Krupp Germaniawerft A.G.* Engine No. *type F46*

It is submitted that with engines for ^{Aux.} main propelling purposes having particulars as stated below, the following sizes of shafting are such as could be accepted.
~~merit approval~~, viz.:

Sizes of Shafting:

Crank { Pin : 245 mm dia. with 160 mm dia. central hole
 Journals: 250 mm dia. with 160 mm dia. central hole } Thrust 220 mm dia
 Intermediate 220 mm dia Tube Screw 208 mm dia.

Particulars of Engines:

Engine Type	4SCSA.	Max. Press. in Cylinders	50 kg/cm ²
		M.I.P. or M.E.P. (calculated)	8.15 kg/cm ²
		I.H.P. or B.H.P.	900
No. of Cylinders	6	Weight of Flywheel	
Diam. of Cylinders	400 mm.	Diam. of Flywheel	
Stroke	460 mm.	wd ² of Balance Weights	
Span of Bearings	428 mm.	wd ² of Turning Wheel	
Revs. per Min.	350	Diam. of Propeller	2150 mm.
		Screw Shaft Without Continuous Liner	

Plan Nos. MO. 101931 and MR2685 showing details of crankshaft and straight shafting respectively are also such as could be accepted provided the maximum pressure in the cylinders does not exceed 50 kg/cm².

In the circumstances, the two engines in question could be accepted in this instance provided they be opened up examined and found or placed in good condition, the dimensions of the shafting be as stated above and as shown on the above-mentioned plans, the mechanical properties of the shaft material as shown on the Germanischer Lloyd Test certificates be not less than those shown on the plans and satisfactory Brinell tests be carried out on the shafting in the presence of the Surveyors.



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When the engines ^{together with their} ~~and line~~ shafting & auxiliary equipment are installed on board ship, in accordance with the Rules, and tried under working conditions with satisfactory results, the machinery could be accepted and recommended for the notation L.M.C (with date) but without the distinguishing mark ✱.

The Surveyors should be advised by telegram as follows :-
"Panir Passat ^{torionals approved and} shafting acceptable provided maximum cylinder pressure does not exceed 50 Kg. Writing"

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