



"WINNETOU"

CS:- (contd.)

Combined condenser cooling water and condensate pump.  
Both boiler feed water pumps.  
Both oil fuel pressure pumps and the oil fuel heaters.  
Piston cooling water pump.  
Auxiliary condenser and the lubricating oil coolers tested.

Donkey Boiler Survey:-

Both donkey boilers examined internally and externally with mountings, manholes, doors and their fastenings and found satisfactory.  
Safety valves adjusted under steam as noted.  
Oil fuel burning installation examined under working conditions and found satisfactory.  
Fire fighting appliances verified.  
Control rods checked.

Alterations:-

The main engine of this vessel has now been converted for solid injection.  
The injection air compressor viz:- cylinder block, piston and piston rod with bearing, the intercoolers and the 2 injection air receivers and air pipes have been removed, the crank casing fitted with a blind flange in way of the compressor crank casing.  
Each cylinder has now been fitted with a "Combined High Pressure Fuel Oil Pump and Fuel Oil Valve for Solid Injection" made by Kockums Mekaniske Verkstad A/B, Malmö, Sweden and of the Makers' Type.  
The valves have been tested before fitting and were all stamped:- No. 3625 LLOYD'S Hydr. Test Ham.  
Fuel Cyl. 400 AT. Gas Cyl. 80 At.  
17.8.53 R.F.K.

Wear and Tear Repairs:-

Main Engine The fitting of the cylinder liners in all cylinder blocks was found slack, due to corrosion in the cylinder blocks, in way of webs for rubber rings. These webs have now been machined and bushed.  
The bushes are well secured by screws.  
The cylinder blocks, complete with liners have been examined under hydraulic test and found sound.  
All cylinder liners have been renewed.  
All 6 main engine crossheads were found cracked in the radius of the underside of the pins and the crossheads have been renewed. from L.R. tested material  
All crossheads were forged in Deutsche Werft A.G., Hamburg, in accordance with the Requirements of the engine builders. All crossheads are stamped: 3624 LLOYD'S HAM. 17.8.53 R.F.K. (See also Hamburg Ref. 2856/B, dated 17.8.53)  
Top and bottom surfaces of connecting rods found corroded and hammered, now machined true.  
Scavenge pump crosshead scored, machined true and bearings remetalled.

Propeller: Cast iron propeller found badly pitted in tips of blades.

A new bronze propeller has now been fitted, stamped: LLOYD'S 2505 A.K. 3.12.52.

Steam Generator Engines: Piston rods, slide valves and slide valve spindles of both engines renewed, valve gear rebushed as necessary.

Stand by sea Circulating Pump: Impeller shaft corroded, now renewed and bearings remetalled.

Trials:-

Main- and auxiliary engines examined under working conditions on completion and found satisfactory.



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