

Ballast, sanitary, bilge, fresh water, lubricating oil and oil fuel transfer pumps examined. Lubricating oil coolers cleaned, examined and tested.

Pumps and pumping arrangements tried.

No. 1 & 2 auxiliary generator engines examined throughout with attached clutch driven compressors.

Electric installation, generators and motors examined, megger tested and tried under working conditions and now satisfactory.

REPAIRS DAMAGE.

Port Main
Aft section of bedplate in way of No. 7 & 8 cylinder columns renewed.
Nos. 7 & 8 columns fitted with bolted patches.
No. 7 cylinder piston cooling pipes forming studs renewed.
No. 7 bottom end bearing remetalled and machined.
All port main engine dismantled for access to bedplate.
All bottom halves of main bearings remetalled.
All new checks & 20 new holding down bolts fitted in new section of bedplate.
New bottom column bolts fitted in new section of bedplate.
Crank shaft tested in lathe and found satisfactory.
Crank shaft bedded down and shaft alignment tested.
On completion of repairs engines tried under full load and working conditions and found satisfactory.

REPAIRS:-Wear & Tear.

Port Main Engine.

Crank shaft journals skimmed true. (now 269.52 m/m.) *Check.*
Three bottom end bearings remetalled.
All gudgeon pins built up with electric welding in way of piston bearing surface, piston holes trued up and gudgeon pins machined and refitted.
One complete & one bottom half connecting rod gudgeon pin bush remetalled.
No. 3 cylinder liner, corroded jacket side landing machined and two copper rings fitted on liner.
Two patches fitted on cracked cylinder blocks.
One cracked piston head (No. 8) renewed.
One cracked cylinder head renewed.
All rocking arm lever bushes renewed & side washers renewed.
Port & Starboard. All exhaust valve seatings in covers machined and all exhaust valve spindle bushing renewed.
Cooling water pump chambers bored out and bronze liners fitted, pistons renewed and valves & seats renewed as required.
Thrust block kidney pads remetalled.
Flywheel bearing remetalled.

Stbd. Main Engine.

All liners removed jackets & liners scaled, recoated & liners replaced.
No. 7 cylinder liner corroded jacket side landing machined & two copper rings fitted on liner.
Five bottom half & two top half main bearings remetalled.
Three bottom end top half bearings remetalled.
Two complete connecting rod gudgeon pin bushes remetalled.
All rocking arm lever bushes renewed and side washers renewed.
Cooling water pump chambers bored out, bronze liners fitted, pistons renewed, valves & seats renewed as required.
Port & Starboard propellers renewed.
Port main engine outer propeller shaft renewed.
Port A bracket bush remetalled.

Starboard.

Port & Starboard propeller shaft oil gland Vicker's rings remetalled.
No. 1 auxiliary engine cooling water pump chamber liner renewed, also piston.
One main bearing and one bottom end of compressor driven by No. 1 auxiliary engine remetalled.

Port.

No. 2 auxiliary engine one bottom end remetalled.
One lubricating oil cooler top cover renewed.
Ballast pump impeller, shaft and bushes renewed.
Bilge and sanitary pump impeller shafts and bushes renewed.
Fresh water pump impeller, shaft and bushes renewed.
Electric wiring renewed as required.

SPECIAL REASONS LIST.

Dealt with as noted above, This item can now be deleted from Special Reasons List.

CRR



© 2020

Lloyd's Register
Foundation