



**COPY**

At the request of MORRIS HEDSTROM LIMITED, Lloyd's Agents at Suva, Fiji, I have carried out a progressive survey of the S.S. "AI SOKULA" and report as follows:

DURING MARCH 1957:

AIR PUMP.

Completely dismantled and inspected.  
Piston rod dressed.  
Spare valve plate fitted.  
Old valve plate and valves reconditioned.  
Glands repacked.

No. 2 BOILER FUEL PUMP - MARCH 1957:

Pump dismantled and examined.  
New "D" valve made and fitted.  
New valve spindle fitted.  
New bronze gland bushes fitted.  
Steam and exhaust valves overhauled.  
Oil side of pump found to be in good order.

HULL - MARCH 1957:

Bulkhead between aft bathroom and latrine renewed.  
80% of aft peak tank top cut out and renewed.  
Filling and sounding pipes in aft peak tank renewed.  
Sanitary discharge pipe which passed through aft peak tank repositioned to discharge through ships side above tanktop.

HULL - APRIL 1957:

Vessel slipped and hull cleaned down.  
Careful examination of hull was made and was found to be in good order except for local corrosion on counter plates above the water line. These wasted areas were cut out and replated.  
All ships side valves opened up, examined and refitted.  
Zinc electrodes renewed.  
Propellor removed and tail shaft drawn.  
Tail shaft was in good order and wear down was 14/1000"  
Shaft and propellor refitted after propellor face had been faced and new seal fitted.  
Rudder dismantled.  
Pintle dressed and new hardened steel button made and fitted.  
Rudder pintle bush renewed.  
Intermediate shaft lifted, bearings adjusted and all realigned.  
Main deck drill tested and plating in forward.  
Accommodation alley-way found to be wasted - this plating to be renewed next refit. //+A-  
Bridge deck railings renewed.

NO. 1 BOILER FUEL PUMP - APRIL 1957.

Completely dismantled and examined.  
Steam valve refaced and refitted.  
Valve spindle straightened.  
Steam cylinder re-bored and oversize piston and rings fitted.  
Oil cylinder honed and new piston and rings made and fitted.  
Spare steam valve chest overhauled.

WATER CIRCULATING PUMP - APRIL 1957.

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Old pump dismantled and removed.  
New pump checked and installed.

CIRCULATING WATER PUMP ENGINE - APRIL 1957.

Engine dismantled and examined.  
Cylinder rebored and oversize piston and rings made and fitted.  
Eccentric strap adjusted.  
New lub. oil pressure gauge fitted.  
Lube oil pump overhauled.  
Crankshaft checked in lathe.  
Piston rod and valve spindle machined.  
New neck bushes machined to suit.  
Glands rebushed.  
Steam and exhaust valves overhauled.

BOILER FEED PUMP - APRIL 1957.

Completely dismantled and examined.  
Steam cylinder re-bored and oversize piston and rings fitted.  
New "D" valve fitted.  
Piston rod machined and glands rebushed.  
Water pump rod machined.  
Pump cylinder dressed and new "Tufnol" rings fitted.  
Water end valves overhauled.

DOMESTIC WATER PUMP - APRIL 1957.

Completely dismantled and examined.  
Steam cylinder rebored and new piston and rings fitted.  
Steam piston rod renewed.  
Valve cylinder honed out and new valve fitted.  
Valve spindle straightened.  
Pump cylinder honed - New "Tufnol" rings fitted.  
All valves overhauled.

NO. 1 CARGO WINCH - APRIL 1957.

Dismantled and examined.  
Glands rebushed.  
Steam cylinders honed, and new rings fitted.  
All valves overhauled.  
All bearings checked and adjusted.

NO. 2 CARGO WINCH APRIL 1957.

Dismantled and examined.  
New Crankshaft fitted.  
New piston rings fitted.  
Piston rods skimmed and glands rebushed.  
New pinion and spur wheel fitted.  
All valves overhauled.  
Cross head guides machined.

ANCHOR WINDLASS - APRIL 1957.

Dismantled and examined.  
Gypsy shaft straightened, built up and machined.  
New shaft bearings fitted.  
Crankshaft journals machined.  
All bearings adjusted.  
Crosshead guides machined.

FUEL TRANSFER PUMP - APRIL 1957.

Dismantled and examined.  
Steam Valve chest overhauled and new valve assembly fitted.



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Oil side valves overhauled.

All ram pumps on main engine overhauled.  
 All steam valves and cocks in engine room overhauled.  
 All tanks opened up and examined.  
 Atmosphere valve overhauled.

BOILER - MAY 1957.

All Boiler mountings, valves and cocks opened up and inspected.  
 Safety valves and seats refaced.  
 One new deck steam valve fitted.  
 Boiler cleaned thoroughly internally.  
 Boiler examined and found to be in good condition.  
 New boiler zincs fitted.  
 All mountings replaced.  
 Safety valves floated to 200 lbs. to sq. inch.  
 New compressor rings machined for safety valves.

FAN ENGINE - MAY 1957.

Completely dismantled and examined.  
 Bearings adjusted.  
 New steam valve fitted.  
 Valve spindle skimmed and gland bushed.

GENERAL SERVICE PUMP - MAY 1957.

New water end rings fitted.  
 Cracked valve casing welded.

MAIN ENGINE - MAY 1957:

All pistons and valves drawn.  
 Found to be in good order.  
 All bearings readjusted.  
 Main engine lubricators overhauled.

LIFE BOAT ENGINE - MAY 1957.

Engine completely overhauled and put into good running order.

BOAT DECK - MAY 1957.

All planking lifted on boat deck and all steel work renewed.

FORE PEAK TANK - MAY 1957.

60% of fore peak tank top was renewed together with sounding and vent pipes.

ANCHOR CABLES - MAY 1957.

All cables were taken out and calibrated.

Original size 1-2/16" ✓  
 Port cables show 15/16" - 7/8" - 15/16"  
 Stbd. cables 7/8" - 7/8" - 15/16"

ø 1" // +A

These are below the minimum size allowed (1") ✓ and the owners were recommended to replace them.

Fee for this survey:  
 £52:10:0.

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