

MOTOR-TUG " ZWARTE ZEE "

LIST OF SPARE PARTS FOR THE AUXILIARIES etc.

for the electric motors of the lubricating oil pump

1 armature with shaft and ball bearings

for the electric motors of the bilge fuel and fresh water pumps

1 armature with shaft and ball bearings

for the Deutz-motor

4 piston rings, 1 set of piston rings for one piston

1 fuel oil pump complete 1 valve, 1 spring, 1 spring for piston,  
5 packing rings, 1 roller for fuel pump

for cylinderhead

1 cylinderhead packing, 1 set of all packing rings, 1 set of  
studs and nuts, 1 fuel needle valve complete, 1 fuel needle

for scavenging pump

2 oil rings, 44 springs for valves, 1 set of piston rings  
and 1 set of valves.

Further 1 starting valve, 1 non-return-valve, 1 set of  
crankpin brasses, 1 set of bolts and nuts for same, 1 set  
of bolts and nuts for main bearings, 1 set of packings,  
1 filter element

for the oil separators

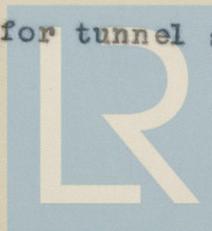
1 bowl for the fuel oil separators  
1 set of usual spares and tools

for the Vulcan-gearing

1 set of pads for each size of bearings  
1 " " brasses " " " "

for shaft line

1 cast iron propeller  
1 propeller shaft  
1 set of coupling bolts for tunnel shafts.



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