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M.S. "T J I S A D A N E"

SPARE PARTS.

All spare parts must, before being placed on board, be wholly finished and ready for use.

MAIN ENGINE.

2 cylinder covers complete with cooling water branches,
4 cylinder liners complete with oil scraper,
4 working pistons upper parts, complete with piston rings,
2 lower parts and water drain complete,
112 piston rings for 1 engine complete,
2 piston rods complete,
100 loose valves
2 sets of 5 valves in drain piping
1 suction valve, upper,
1 " " lower,
1 delivery " upper,
1 " " lower
2 starting valves compl. with valves and springs,
8 fuel valves compl. with valves and springs,
8 fuel valve spindles,
8 loose bottom pieces for fuel valves,
1 lever for fuel valves,
1 pre-starting valve house complete,
2 fuel valve houses complete,
8 pulverisers complete,
2 starting cams,
4 fuel cams,
2 pins for do advance
2 pins for do reverse,
4 rollers,
2 camshaft bearing halves,
2 sets of drosshead brasses complete,
4 crossheadbolts.

with valves

2 sets of crankpin brasses complete,
 8 crankpinbolts,
 2 bolts for main bearings,
 1 set of bolts for connecting rod scavenging pump,
 1 set of bolts for connecting rod compressor,
 2 bolts for main bearings compressor and scavenging pump,
 2 sets of main bearing halves for working cylinders,
 2 main bearing halves for compressor and scavenging pump,
 2 thrust bearing halves for vert. shaft,
 2 " " " " thrustblock,
 4 crosshead shoes,
 1 pair of gear wheels for camshaft,
 1 set of coupling bolts for crankshaft,
 1 pair of gear wheels for crankshaft of each engine,
 10 piston rings HP. compressor,
 10 piston rings IP. compressor,
 10 piston rings HP. compressor,
 1 set of stuffing box rings for piston rods compressor,
 2 seats, valves and springs for LP. complete.
 2 " " " " " IP. "
 2 " " " " " HP. "
 1 set of crankpin and crosshead brasses for compressor complete,
 1 " " " " " " " " scavenging pump complete,
 1 piston with rings for starting machine complete,
 1 slide valve chest with liner and valve, for starting machine,
 1 set of oil scraper rings for 1 engine,
 1 set of fuel pump suction valves with springs complete,
 1 " " " " delivery " " " "
 8 delivery plungers with bushes complete,
 1 fuel non-return valve complete,
 1 injection air non-return valve complete,
 1 Bosch oil lubricator, complete.
 2 pressure gauges, 0.130 kg/cm².
 1 " " " 0.130 "
 1 " " " 0.40 "
 1 " " " 0.10 "
 2 " " " 0.5 "



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cylinder cover bolts for 1 cylinder
10% of the principal bolts and studs,
1 set of packing material for main engine,
1 set of helical springs for main engine,
ball bearing 1 of each type,

INJECTION PIPING.-

25 M. steel pipe,
15 flanges,
10 copper cone connections.

FUEL PIPING.-

20 M. steel pipe,
20 copper cone connections.
Crosshead for fuel pump complete with rods etc.
2 valves and spindles (35 mm) for injection air bottle.
2 valves and spindles (45 mm)

T.A. Bennett



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