

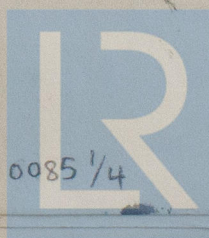
MOTORSHIP "ANGELINA"

Yard No 38.

SPARE PARTS FOR A 2050 TONS TANKER.

- 1 three-throw crankshaft with key and 6 bolts,
- 2 cylinders with studs, covers and connecting pieces for starting
- 2 extension pieces for cylinders, with washers and rubber packing air, rings,
- 1 L.P. liner for air pump L.P. and M.P.
- 1 draw bar for camshaft drive, with brasses, adjusting nuts and 2 conical pins,
- 2 sets (4) crosshead brasses complete, 4 crosshead bolts with nuts,
- 2 sets (2) crankpin brasses in 2/2 with filling plates,
- 4 crankpin bolts with nuts and adjusting bolts (which are in the crankpin brasses),
- 1 complete main bearing brass with cover,
- 2 bolts with nuts for main bearing brasses and adjusting bolts,
- 12 outlet valves with 12 houses and 12 springs (all in each other)
- 12 outlet valves, loose,
- 4 springs for outlet valves, loose,
- 2 inlet valves with 2 houses and 2 springs,
- 3 inlet valves, loose,
- 2 springs for inlet valves, loose,
- 2 relief valves, 2 houses, 4 springs with 2 "Stauffer" lubricators N24,
- 2 spare springs for reducing valve, 1 spring for starting valve,
- 2 starting valves, 2 houses, 2 springs, 2 bends, 2 oil cups, 2 cocks,
- 2 starting valves (loose) with valve caps,
- 2 springs for starting valves, loose,
- 6 fuel pump plungers with 6 ground bushes,
- 2 pistons for main motor, with 16 bolts, guard rings, nuts and guard pins,
- 8 loose piston bolts with nuts, guards and rings,
- 60 piston rings of which 30 cut lefthanded and 30 righthanded, in  
for engine piston, ers
- 6 scraper rings for engine pistons,
- 6 thermometers (pyrometers) 0-550° (Negretti & Zambra), each with on  
21 ft. capillary tube for outlet gasses, s
- 6 suction valves for fuel pump,
- 12 delivery " " " "

W1042 - 0085 1/4



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W1042 - 0088 1/2

Rules



- 2 -

3 copper and 3 whitemetal rings and 6 aluminium rings for fuel pump,  
2 valves, 2 balls, 4 packing rings and 17 various spiral springs for fuel pump,  
3 fuel atomizer houses with 3 atomizers, 3 fuel needles, 3 springs, 6 columns and flanges. 3 Test valves are mounted in the fuel houses,  
1 packet of Eupaco-rings for packing of fuel needles.

3 packing nuts for fuel needles.

3 springs for fuel needles and 6 small springs for same.

4 atomizers,

4 flameplates,

6 fuel needles,

1 cooling water pump piston rod with nut,

1 cooling water pump piston,

1 brass for support H.P. fuel pump,

2 rubber cooling water pump valves with bronze guard,

2 rollers and 2 pins for fuel lever,

1 fuel cam with 2 screws,

3 pins for fuel roller,

2 inlet and outlet levers with 2 rollers and 2 pins,

1 fuel lever with roller and pin,

1 starting lever with roller,

1 auxiliary starting lever with roller,

1 propeller shaft with nut,

6 righthanded and 6 lefthanded thrustblock brasses,

4 needle valves for inblast air (2 types) with 1 piece of packing,

2 sets inblast air pipes with cones and nuts,

2 fuel inblast pipes (test cock in fuel house)

6 studs for cylinder covers and cylinder beam,

12 studs for in- and outlet valves

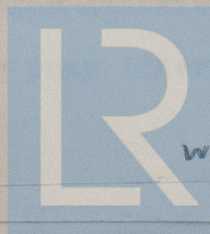
12 " " starting valve

12 " " fuel houses,

8 " in flanges and 16 studs for outlet piping

24 " in end flanges in extension piece

} mounted in  
cyl.covers  
and  
extension  
pieces



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W1042-00852/4

W1042-00852/4 1/2

W1042-00852/2

Rules



- 1 set (=4) Kinghorn valves with 2 springs for bilge pump + 2 guard
- 30 condenser tubes,
- 24 condenser tube rings,
- 1 bilge pump plunger,
- 1 lubricating pump complete (Delvac) with 6 connections and wrench
- 1 large and 1 small transmission toothwheel for camshaft,
- 12 piston rings for L.P. air pump,
- 12 " " " M.P. " "
- 2 scraper rings for air pump crosshead,
- 12 piston rings for H.P. air pump,
- 2/2 crosspin and 2/2 crankpin brasses for air pump connecting rod, with filling rings and 2 bolts,
- 1 complete set of valve seat guards and springs for L.P., M.P. and H.P. air pump, consisting of :
  - 2 seats, 2 valve caps, 2 valves and springs for HP. suction and delivery for air pump,
  - 1 copper packing ring and 2 valve caps for same,
  - 6 seats, 6 valve caps, 12 valves, 12 springs for suction and delivery M.P. and L.P. pump.
- 34 valves N<sup>o</sup> 3, Ø 75 mm, L.P. and M.P. air pump,
- 34 " " 4, Ø 46 " " " " " "
- 20 " t.484 for H.P. air pump,
- 1 H.P. air pump liner,
- 3 cooler stacks H.P., M.P. and L.P. for air cooling,
- 1 cooler stack for oil cooling,
- 1 spare armature and watertight chest for electromotor for turning engine,
- 1 complete set (=4) brush holders with brushes for same,
- 1 packet of springs for Aspinall governor,
- 2 indicator cocks,
- parts for water and oil controllers, viz. :
  - 2 spindles with impellers, 2 sight glasses, 2 covers, 2 leather rings for oil,
  - 2 spindles with impellers, 2 sight glasses, 2 covers, 2 leather rings for water,
  - 2 bursting plates for starting piping,
  - 6 " tubes, t.369,
  - 1 pressure bolt for connecting rod for air pump,
  - 3 intermediate pieces, 6 valves for distribution piece inblast air, t.569,
  - 3 bronze studs with nuts for air pump liner,



- 4 -

- 4 ferrules with cone for inblast piping,
- 8 - 7/8" bolts and nuts for cylinder beam,
- 1 crosshead with plug for air pump,
- 4 lubr. oil valve chests,
- 1 set Klingerit, leather, press-spahn, asbestos, acme and rubber packings according to blueprint N<sup>o</sup> 30300-11, item 1-99,
- 1 set copper packing rings as per blue print N<sup>o</sup> 30300-22,
- 1 set rubber packing rings, with round, square and rectangular section, as per blue print N<sup>o</sup> 30300-89,
- 1 set of spiral springs, steel, brass and siliconbronze, as per blueprint N<sup>o</sup> 30300-21,
- 8 cooling water thermometers without casing,
- 4 cuffs for reversing engine,
- 1 Novotext-Pinion for electromotor for turning engine,
- 1 ball bearing for conical spur wheels (shaft hole 40),
- 4 + 2 packings for oil trays with 6 loose spiral springs,
- 1 spring for starting lever,
- 1 small spring for indicator,
- 2 gas plugs for cylinder covers,
- 1 bolt with nut for starting lever,
- 2 adjusting bolts with buffer blocks and guard nuts for in- and outlet levers,
- 2 adjusting bolts with nuts for in- and outlet levers,
- 4 springs for safety N<sup>o</sup> 19306 for a pressure of 4 kg/cm<sup>2</sup>.

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W1042-0085 1/2  
W1042-0087 1/2  
W1042-0088 1/2