

13. Dezember 1923.

Mr.

W. G. Vallis,
Lloyds Register of Shipping
WINTERTHUR.

14/ To. /24176/ Kobe Steel Works, Kobe.

Dear Sir,

We give below a list in duplicate of the spare gear
for your information :

1. For main engines No. 5049 & 5053 :

- 1) 1 cylinder cover complete with 1 complete combined fuel
and starting valve; ✓
1 complete advance valve and 1 safety valve. ✓
- 2) 1 complete set of valves consisting of :
 - 1 combined fuel and starting valve complete with
safety valve; ✓
 - 1 advance valve complete; ✓
 - 3 nests of scavenging-air valves complete;
 - 4 fuel needles with bushes. ✓
- 3) 1 piston complete with piston rings, piston rod and piston
cooling water running pipe. ✓



© 2020

Lloyd's Register
Foundation

10. Dezember 1923.

14/24176/To.

Mr. W.G. Vallis,

Winterthur.

- 4) 7 piston rings for working cylinder. ✓
- 5) 1 of each (total 4) ^{SKEW.} ~~screw~~ wheels. ✓
- 6) 2 connecting rod top end bolts and nuts. ✓
- 7) 2 " " bottom end " " " . ✓
- 8) 2 main bearing bolts and nuts. ✓
- 9) 1 set (8 pieces) " " " for crankshaft coupling. ✓
- 10) 10 piston rings I stage for the compressor. ✓
 - 12 " " II " " " " ✓
 - 12 " " III " " " " ✓
 - 1 oil scraper ring for working piston. ✓
 - 2 spring rings for ~~spare~~. ✓
 - 2 oil scraper rings for compressor piston. ✓
- 11) 24 outer valve rings for I and II stage; ✓
 - 24 inner " " " " " " " ; ✓
 - 4 suction valves " " " III " ; ✓
 - 4 delivery " " " " " " . ✓
- 12) 8 suction valves for fuel pump; ✓
 - 8 delivery " " " " ; ✓
 - 8 plungers with bushes for fuel pump. ✓
- 13) 8 valves with valve-seats for cooling water circulating pump. ✓
- 14) 1 suction valve complete for bilge pump; ✓
 - 5 delivery valves with valve-seats for bilge and piston cooling water pump. ✓
- 15) 24 valve rings for scavenging pump. ✓



© 2020
Lloyd's Register
Foundation

0278 2/5

10. Dezember 1923.

14/24176/To.

3

Mr. W.G. Vallis,

Winterthur.

- (+
(2
(3
(4
(8
(9
(01
- 16) 2 valve-seats with 10 valves complete for oil pump; ✓
2 valves with valve-seats for crosshead lubricating pump. ✓
 - 17) 1 bucket and 1 rod complete for lubricating oil pump; ✓
 - 18) 16 bolts and nuts for cylinder cover; ✓
 - 19) 20 metres steel pipes for fuel oil with unions; ✓
10 " " " " starting air with unions; ✓
15 " " " " injection " " " " ✓

2. For auxiliary engine No. 5195, 5197 & 5291 :

- (11
(S1
(E1
(A1
S (2)
- 1) 1 complete set of valves consisting of :
 - 1 exhaust valve; ✓
 - 1 air admission valve; ✓
 - 1 starting valve; ✓
 - 1 fuel valve; ✓
 - 3 fuel needles with bushes; ✓
 - 2) 6 piston rings for working cylinder; ✓
 - 3) 2 connecting rod top end bolts and nuts; ✓
 - 4) 2 main bearing bolts and nuts; ✓
 - 5) 1 set (6 pieces) bolts and nuts for crankshaft coupling; ✓
 - 6) 12 piston rings I stage for the compressor; ✓
15 " " II " " " " ; ✓
18 " " III " " " " ; ✓
1 oil scraper ring for working piston; ✓
1 " " " " compressor piston. ✓

2020
Lloyd's Register
Foundation

10. Dezember 1923.

14/24176/To.

4

Mr. W.G. Vallis,

Winterthur.

- (a)
(b)
(c)
(d)
(e)
(f)
(g)
(h)
(i)
(j)
(k)
(l)
(m)
(n)
(o)
(p)
(q)
(r)
(s)
(t)
(u)
(v)
(w)
(x)
(y)
(z)
- 15 valve-rings for I and II stage; ✓
 - 2 suction valves for III stage; ✓
 - 2 delivery valves " III " . ✓
 - 3 suction valves for fuel pump; ✓
 - 3 delivery " " " " ; ✓
 - 3 plungers with bushes for fuel pump; ✓
 - 4 valves with valve-seats for cooling water circulating pump; ✓
 - 4 valves for cylinder lubricating pump; ✓
 - 1 valve for oil pump; ✓
 - 2 pinions with shafts for oil pump; ✓
 - 8 bolts and nuts for cylinder cover; ✓
 - 2 connecting rod top end bolts and nuts for air compressor
and a quantity of assorted bolts and nuts diverse; ✓
 - 5 metres steel pipes for starting air with unions; ✓
 - 4 " " " " injection " " " ; ✓
 - 6 " " " " fuel oil " " " ; ✓
 - 2 sq. || polyperit packing; ✓
 - 3 fuel needles for fuel valve; ✓
 - 3 pulveriser " " " , ✓
 - 3 exhaust valves with seats; ✓
 - 6 springs for each of exhaust, admission, starting and
fuel valves; ✓
 - 6 piston rings for working piston; ✓



© 2020

Lloyd's Register
Foundation

10. Dezember 1923.

14/24176/To.

5

Mr. W.G. Vallis,

Winterthur.

4 piston rings for I stage; ✓

5 " " " II " ; ✓

6 " " " III " . ✓

Yours faithfully

P.S. Spares in Item 14 are given extra as they are included in motor price

W.G.F.



© 2020

Lloyd's Register
Foundation

0278^{5/3}