

1915

DETAILS COVERING ACCEPTANCE DRAWINGS OF LLOYD'S REGISTER.

1. Owners, yard, design No. Texas Oil
Deutsche Werft, Hamburg
S.No. 181
 2. Engine type, workshop No. G8Z52/90 - W.N. 681130/140
 3. Main or auxiliary engine Main engine
 4. Single or double acting Single acting
 5. Four or two stroke Two stroke
Solid or air injection Solid injection
 6. B.H.P., r.p.m., mean turn- $N_e = 2600$ BHP; $n = 170$ r.p.m.
ing moment $M_d = 10950$ mkg
 7. Cylinder diameter, stroke, Cyl.diam. = 520/mm; stroke = 900 mm
no. of cylinders No. of cyl. = 8
 8. Max. pressure in cylinders, $P_{max} = 45$ kg/cm²
mean indicated pressure $P_{mi} = 5,5$ "
 9. Distance between centre lines of cylinders, 920 mm
main bearing breadth, 240 ""
bearing span 680 ""
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10. Flywheel diam., width, weight, not yet known
flywheel moment
 11. Ignition sequence astern: 1-8-2-6-4-5-3-7
ahead: 1-7-3-5-4-6-2-8
 12. Weight of oscillating parts, 1100 kg
per cylinder
 13. GD^2 of moving parts, per cylinder 1500 kgm²
 14. Crankshaft: diam. of pin 350 mm
diam. of journal 350 mm
 15. The drawings of the crankshaft are submitted in quadruplicate.

Material	S.M.Steel
Tensile strength	50-58 kg/mm ²
Yield point	least 29 kg/mm ²
Elongation and dimensions of test bar	20%; L = 10 d
Reduction of area	50 %
Mesnager impact test	6 mkg/cm ²



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Lloyd's Register
Foundation

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