

10. Juli 1936

Bruse

Bremer  
Vulkan  
VegesackDetails covering acceptance  
drawings of crank shafts.

Oimaschinenbau

748/749/750

- 748, 749,  
1. Ship No. and 750 Shaft drawing No. 69-66 and 74-221
2. Engine type K8Zu68/120 Cylinder No. 464 - 487
3. Main or auxiliary engine Main engine
4. Single or double acting Single acting
5. Four or two cycle two Injection: Solid injection
6. BHP 4100 R.p.m. 115 Mean turning moment: Md = 25500 mkg
7. Cylinder  $\varnothing$  680 mm Stroke 1200 mm No. of cylinders per engine: 8
8. Max. pressure in cylinder:  $p_z = 45 \text{ kg/cm}^2$
9. Mean indicated pressure for 6.  $p_m = 5,6 \text{ kg/cm}^2$
10. Distance between centre line of cylinders: 1250 mm
11. Main bearing breadth 325 mm
12. Span of bearings from inner edge to inner edge 925 mm
13. Flywheel dia 2100 mm width 250 mm weight 3400 kg  
Moment  $8500 \text{ kgm}^2$
14. Ignition sequence: ahead 1 - 7 - 3 - 5 - 4 - 6 - 2 - 8  
astern 1 - 8 - 2 - 6 - 4 - 5 - 3 - 7
15. Weight of oscillating parts p.cyl. 3480 kg
16. Moment of moving parts p. cylinder  $7100 \text{ kgm}^2$
17. Crankshaft dia. of crank pin: 460 mm  $\varnothing$  of journal 460 mm  $\varnothing$
18. Material of crankshaft Siemens-Martin-steel  
Tensile strength  $48-55 \text{ kg/mm}^2$  Yield point least  $28 \text{ kg/cm}^2$   
Elongation 20 % L = 10d Reduktion of area 50 %  
Mesnager impact test:  $6 \text{ mkg/cm}^2$

**Bremer Vulkan**  
Schiffbau und Maschinenfabrik  
Vegesack



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