

# REPORT ON OIL ENGINE MACHINERY

No. 3302

Separate Tanks  
Arrangements

8 Aug 1930 When handed in at Local Office  
19 Port of *Skon*  
1 at *Sickla, Skon. Dist.*  
Date, First Survey *28 July 1929* Last Survey *31 July 1930*  
Number of Visits *6*

Screw vessel *M.V. "ASHMORE"*  
Tons { Gross *5817*  
Net *3449*  
By whom built *Sir W.G. Armstrong Whitworth & Co. Ltd. Yard No. 1069* When built *1931*  
By whom made *Alfred Atlas Diesel* Engine No. *80304* When made  
By whom made  
Boiler No. When made  
Owners *Sir W.G. Armstrong Whitworth & Co. Ltd.* Port belonging to *Newcastle on Tyne*  
Is Refrigerating Machinery fitted for cargo purposes  
Is Electric Light fitted

Type of Engines *Stationary Diesel Oil Engine (Type 2425)* 2 or 4 stroke cycle Single or double acting  
Diameter of cylinders *250 mm* Length of stroke *350 mm* No. of cylinders *2* No. of cranks *2*  
Flywheel dia. *200 mm* Weight *730 kg* Means of ignition *compression* Kind of fuel used *Crude Oil*  
Crank pin dia. *64 mm* Crank Webs Mid. length breadth *430 mm* Kind of fuel used *Crude Oil*  
Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule  
Screw Shaft, diameter as per Rule

Length of Bearing in Stern Bush next to and supporting propeller  
Is an approved Oil Gland or other appliance fitted at the after  
Is a governor or other arrangement fitted to prevent racing of the engine when declutched  
Are the cylinders fitted with safety valves  
Are the exhaust pipes and silencers water cooled or lagged with  
Is the sea suction provided with an efficient strainer which can be cleared within the vessel  
Can one be overhauled while the other is at work

Lubricating Oil Pumps, including Spare Pump, No. and size  
Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge  
Are the Bilge Suctions in the Machinery Spaces  
Are they fitted with Valves or Cocks  
Are the Overboard Discharges above or below the deep water line  
Are the Blow Off Cocks fitted with a spigot and brass covering plate  
Have they been tested as per Rule

Is the Shaft Tunnel watertight  
Is it fitted with a watertight door  
Are the receivers, which can be isolated, fitted with a safety valve as per Rule  
What means are provided for cleaning their inner surfaces  
Cubic capacity of each  
Internal diameter  
Material  
Range of tensile strength  
Working pressure by Rules  
Total cubic capacity *72 litres* Internal diameter *240 mm* thickness *15.5 mm*  
Material *S.M. Steel* Range of tensile strength *38 kg/mm<sup>2</sup> to 212 kg/mm<sup>2</sup>* Working pressure by Rules *7 1/2 kg/cm<sup>2</sup>*

*Cur*  
*15/8/30*



IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Shafting *E 11.5.25.*  
(If not, state date of approval)

Receivers *E 17.7.23.* Separate Tanks

Donkey Boilers

General Pumping Arrangements

Oil Fuel Burning Arrangements

SPARE GEAR *as per list, approved on the 20th Sept. 1927, will be inspected when  
 is being fitted in ship.*

*This Engine has been fitted on board the M.V. "Ashmore"  
 Messrs Sir W. G. Armstrong Whitworth & Co vessel 1069.*

*L. Jeskett*

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building	During progress of work in shops --	<i>27 1 28 15.17 &amp; 31/7-30</i>		Cylinders	Covers	Pistons	Rods	
		During erection on board vessel --	<i>8 10 29 5</i>					
			Total No. of visits <i>in shop 6.</i>					
Dates of Examination of principal parts—								
Crank shaft	<i>28 15.17 5</i>	Flywheel shaft		Thrust shaft		Intermediate shafts		
Screw shaft		Propeller		Stern tube		Engine seatings	Engines holding down	
Completion of fitting sea connections				Completion of pumping arrangements		Engines tried under working conditions		
Crank shaft, Material	<i>S.M. Steel</i>	Identification Mark	<b>LLOYD'S N: 5924 AI. 17.7.30. A</b>	Flywheel shaft, Material		Identification		
Thrust shaft, Material		Identification Mark		Intermediate shafts, Material		Identification		
Tube shaft, Material		Identification Mark		Screw shaft, Material		Identification		

Is the flash point of the oil to be used over 150° F.

Is this machinery duplicate of a previous case *yes* If so, state name of vessel *see B.M. report no. 3*

General Remarks (State quality of workmanship, opinions as to class, &c.)

*I am of opinion that this engine is of superior material and workmanship has been designed and constructed under Special Survey. I have respectfully to be approved as auxiliary to a classed main engine.*

Newcastle-on-Tyne

Certificate (if required) to be sent to  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee ... £	:	When applied for,
Special Survey in shop <i>218:40</i>	:	<i>8. 19. 30</i>
Donkey Boiler Fee ... £	:	When received,
Travelling Expenses (if any) <i>28:00</i>	:	<i>30. 9. 30</i>
Committee's Minute <i>246:40</i>		
TUE. 19 APR 1932		
Assigned <i>See F. G. Rep</i>		

*H. J. Innes*  
 Acting Engineer Surveyor to Lloyd's Register



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