



AMERICAN BUREAU OF SHIPPING

Customer Name	TUSHACO PUMPS PVT LTD	Purchase Order No.	6166100 Dated 12-Jan-16
Attending Office	Mumbai	Report Number	BY3158687
First Visit Date	10-Jun-2016	Last Visit Date	27-Jun-2016

Certification Of: Pump Quantity : Two (2)
Manufacturer: TUSHACO PUMPS PVT LTD

Survey Location : Daman Gujarat

Equipment Data

Item Name	Transfer Pump 2/ Transfer Pump 1
Manufacturer Number(S. No.)	SH299024/SH299023
Model Number	211.40.3-135/062-1BB
Destination Vessel (Class Number)	YY264883/YY264883
Builder/Shipyard	SAMSUNG HEAVY INDUSTRIES CO., LTD.
Builder I.D./Hull No.	SN2175/SN2175
Purchaser Name	Coalfax Fluid Handling

Design Details

Design State Design Review Not Required

Additional Data

ABS Stamping	BY3158687 AB
Pump Capacity	110 Cu m/hr
Pressure Head	40.79 m
Rated Speed	1750 rpm
Design Pressure	3.5 bar
Driving Fluid	HFO
Test Pressure	10 bar

This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Manufacturer's production processes were generally examined and material flow, control and identification technique found satisfactory.

Manufacturer's quality system and workmanship standards reviewed and considered satisfactory or requested to be modified to suit the particular project requirements.

Principal data verified in accordance with the applicable specification and approved plans, and confirmed to be within acceptable tolerances.

Traceability of materials used on this project has been verified.

The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

Subject to satisfactory installation, testing and trials after installation onboard the vessel.

Final markings for identification confirmed.

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Two (2) Nos of Screw type Fuel Oil Transfer Pump (IS 210 FG 260) of capacity 110 m3/hr were examined at Manufacturer's Premises [M/s. Tushaco Pumps PVT Ltd]. The Client's (M/s. Coalfax Fluid Handling) Purchase Order Number 6166100 Dated 12-Jan-16, intended for Hull No SN2175 (Class Id YY264883) placed on the manufacturer and and The QAP refers.

Details of Examination :-

1. Hydrostatic tests of each pump casing was carried out at a pressure of 10 bar and considered satisfactory.
2. Pump performance tests carried out as deemed necessary and considered satisfactory.
3. Material component TC's reviewed as deemed necessary and considered satisfactory.
4. Pump assembly dimensions verified at random as per drawing no. 53.839 and considered satisfactory.
5. The operation of the relief valve tested and considered satisfactory.
6. Upon completion foregoing pump assembly was stamped as mentioned above for identification.

**Surveyor(s) to The American Bureau of Shipping
Attending Surveyors**

Deshmukh Atul S.

Electronically Signed on 30-Jun-2016 by Thomas, Vipin

Thomas Vipin

Electronically Signed on 30-Jun-2016

Reviewed By

Chatti, Vasdev Nagesh Sundar

Electronically Signed on 30-Jun-2016, Mumbai Port

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