

中国船级社
CHINA CLASSIFICATION SOCIETY

船用产品检验证书
INSPECTION CERTIFICATE OF MARINE PRODUCT

证书编号/Certificate No. HK16P00059_02

兹证明应 TUSHACO PUMPS PVT. LTD. 的申请，
下列产品经本社署名验船师检验，符合本证书注明标准的要求。

This is to certify that, upon request of
TUSHACO PUMPS PVT. LTD.

the following products have been inspected by the undersigned the surveyor of the Society and are found to comply with the requirements of the specified standards.

制造厂名 TUSHACO PUMPS PVT. LTD.

Manufacturer

订货方

Purchaser

Alliwelier AS

产品名称

Product

螺杆泵

Screw Pump

产品编号

Serial No.

1590322-5629, 1590322-5630 & 1590322-5631

申请方确定的产品标准/ Product Standard Specified by the Applicant

1. As per Manufacturer's QAP

产品检验标志/ Marking

位置/ Position : 在产品上/ On the product

标志样式/ Type of Marking :  HK16P00059_02 CCS钢印标志/ CCS steel stamp

发证日期 2016年12月31日

Date of issue Dec. 31, 2016

验船师

Surveyor

(K.S.RAO)

本证书根据中国船级社《钢质海船入级规范》及有关程序规定签发。关于证书的有关规定见本证书背面的说明。当本证书包括多页纸张时，则所有证书页为一个整体，必须同时使用。每一页证书均须由本社盖章方为有效。证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关各方对所持证书的真实性有疑问时，可以向本社检验机构咨询。

This Certificate is issued pursuant to the Rules for Classification of Sea-going Steel Ships and related procedures of the Society. Refer to the back of the certificate for detailed requirements of the certificate. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.150/092.100.40 5XX
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.9 MPa
额定转速/Rated Rev.	: 1478 r/min
泵体材质/Pump body material	: Bronze
轴功率/Shaft power	: 5.4 kW
数量/Quantity	: 3 Sets
工作介质/Working medium	: F.W.

试验项目及结果/ Scope of Testing and the Result

Three (03) nos. Screw Pumps of capacity 150 m³/hr were examined at the Manufacturer's premises (M/s Tushaco Pumps Pvt. Ltd.). The client's (M/s Alliweliler AS) Purchase Order no.138762-0 dated 12 May 2016, intended for the Hull no.NB2377 placed on the manufacturer and their relative QAP.

Details of the examination:

- i) Pump performance test for pump serial no.1590322-5631 carried out as deemed necessary and witnessed the same without remarks.
- ii) Pump performance test reports for pump serial no.1590322-5629 and 1590322-5630 were reviewed as per the QAP and considered satisfactory.
- iii) Material component TCs reviewed as deemed necessary and considered satisfactory.
- iv) Pump assembly dimensions verified at random as per drawing no.53.853 and considered satisfactory.
- v) Operation of the relief valve tested and considered satisfactory.
- vi) Upon completion the above said pump assembly was stamped as mentioned above for identification.

责任声明/ Statement of Responsibility

本社的检验不影响、替代与本社授权或检验无关的各方对上述工厂的认可和发证，并且不对与本社授权或检验无关的各方负责，不承担其未经应允而承认、接受本社检验所导致的法律和经济责任。

The inspection of the Society does not affect and replace any approval and certification of the manufacturer by any parties that bear no relation with this Society's authorization or survey and therefore takes no responsibility for these parties. The Society does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.

中国船级社香港分社

CCS Hong Kong Branch

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