



中国船级社

证书格式号/Form: P01.03-NJ000047

CHINA CLASSIFICATION SOCIETY

船用产品证书

CERTIFICATE OF MARINE PRODUCT

证书编号/Certificate No. HK17P00044_01

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 TUSHACO PUMPS PVT. LTD.

订货方

Purchaser ALLWEILER AS

产品名称 螺杆泵

Product Screw Pump

认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876

附加标志

Notations 无/Nil.

用于

Intended for 船舶与海上设施/Ships and Offshore Installations

船舶工程号

Hull No. H 2376

产品使用限定

Restriction for application of product 无/Nil.

产品编号

Serial No. 1583130-4810 & 1583130-4811

产品检验标准/Product Inspection Standard

1. 中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章 Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position : 在产品铭牌上/ On the nameplate of the product

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

发证日期 2017年11月17日 Date of issue Nov. 17, 2017

验船师 陈建华 (Chen Jianhua) Surveyor



本证书根据中国船级社《钢质海船入级规范》及有关规定... 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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



HK12013359

中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811 CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: http://www.ccs.org.cn 本地检验机构/CCS Local Office: 中国船级社香港分社 CCS Hong Kong Branch 电话/Tel: +(852)25476181 传真/Fax: +(852)28582629

NO 16143793

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.135/092.100
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1485 r/min
泵体材质/Pump body material	: CI IS:210 FG260
轴功率/Shaft power	: 47.3 kW
数量/Quantity	: 2 Sets
工作介质/Working medium	: F.O.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling;

本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。

The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****



中国船级社
CHINA CLASSIFICATION SOCIETY

证书格式号/Form: P01.03-
NJ000047

船用产品证书
CERTIFICATE OF MARINE PRODUCT

证书编号/Certificate No. HK17P00044_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 TUSHACO PUMPS PVT. LTD.

订货方

Purchaser ALLWEILER AS

产品名称 螺杆泵

Product Screw Pump

认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876

附加标志

Notations 无/Nil.

用于

Intended for 船舶与海上设施/Ships and Offshore Installations

船舶工程号

Hull No. H 2376

产品使用限定

Restriction for application of product 无/Nil.

产品编号

Serial No. 1583130-4812, 1583130-4813 & 1583130-4814

产品检验标准/ Product Inspection Standard

1. 中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章

Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position : 在产品铭牌上/ On the nameplate of the product

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

发证日期 2017年11月17日
Date of issue Nov. 17, 2017

验船师 陈建华 (Chen Jianhua)
Surveyor

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。证书的有效性请参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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京东直门南大街9号船舶大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: <http://www.ccs.org.cn>
本地检验机构/CCS Local Office: 中国船级社香港分局 CCS Hong Kong Branch 电话/Tel: +852(2)25476181 传真/Fax: +852(2)28582629

HK80398905

NO 16143794

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.150/092.100
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1478 r/min
泵体材质/Pump body material	: Bronze
轴功率/Shaft power	: 55.4 kW
数量/Quantity	: 3 Sets
工作介质/Working medium	: F.W./S.W.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling:
 本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。
 The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
 无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
 无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
 The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****



中国船级社
CHINA CLASSIFICATION SOCIETY
船用产品证书
CERTIFICATE OF MARINE PRODUCT

证书格式号/Form: P01.03-
NJ000047

证书编号/Certificate No. HK17P00045_01

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 TUSHACO PUMPS PVT. LTD.

订货方

Purchaser ALLWEILER AS

产品名称 螺杆泵

Product Screw Pump

认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876

附加标志

Notations 无/Nil.

用于

Intended for 船舶与海上设施/Ships and Offshore Installations

船舶工程号

Hull No. H 2377

产品使用限定

Restriction for application of product 无/Nil.

产品编号

Serial No. 1590322-5632 & 1590322-5633

产品检验标准/ Product Inspection Standard

1.中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章

Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position

在产品铭牌上/ On the nameplate of the product

标志样式/ Type of Marking

CCS钢印标志/ CCS steel stamp

发证日期 2017年11月17日

Date of issue Nov. 17, 2017

验船师

Surveyor

陈建华 (Chen Jianhua)

本证书根据中国船级社《钢质海船入级规范》及有关规定签发,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,可以向我社检验机构咨询。

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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: <http://www.ccs.org.cn>
本地检验机构/CCS Local Office: 中国船级社香港分社 CCS Hong Kong Branch 电话/Tel: +(852)25476181 传真/Fax: +(852)28582629

HK33457804

第 1 页 共 2 页 / Page 1 of 2

NO 16143795

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.135/092.100
流量/Capacity	: 150 m3/h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1485 r/min
泵体材质/Pump body material	: CI IS:210 FG260
轴功率/Shaft power	: 47.3 kW
数量/Quantity	: 2 Sets
工作介质/Working medium	: F.O.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling:
 本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。
 The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
 无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
 无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
 The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****





中国船级社
CHINA CLASSIFICATION SOCIETY
船用产品证书
CERTIFICATE OF MARINE PRODUCT

证书格式号/Form: P01.03-
NJ000047

证书编号/Certificate No. HK17P00045_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 TUSHACO PUMPS PVT. LTD.

订货方 ALLWEILER AS

Purchaser ALLWEILER AS

产品名称 螺杆泵

Product Screw Pump

认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876

附加标志 无/Nil.

Notations 无/Nil.

用于 船舶与海上设施/Ships and Offshore Installations

Intended for 船舶与海上设施/Ships and Offshore Installations

船舶工程号 H 2377

Hull No. H 2377

产品使用限定 无/Nil.

Restriction for application of product 无/Nil.

产品编号 1590322-5629, 1590322-5630 & 1590322-5631

Serial No. 1590322-5629, 1590322-5630 & 1590322-5631

产品检验标准/ Product Inspection Standard

1. 中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章
Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position : 在产品铭牌上/ On the nameplate of the product

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

发证日期 2017年11月17日
Date of issue Nov. 17, 2017

验船师 陈建华 (Chen Jianhua)
Surveyor 陈建华

本证书根据中国船级社《钢质海船入级规范》及有关程序文件的规定，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，可以向我社检验机构咨询。

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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: <http://www.ccs.org.cn>
本地检验机构/CCS Local Office: 中国船级社香港分社 CCS Hong Kong Branch 电话/Tel: +(852)25476181 传真/Fax: +(852)28582629

HK09972727

NO. 16143796

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.150/092.100
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1478 r/min
泵体材质/Pump body material	: Bronze
轴功率/Shaft power	: 55.4 kW
数量/Quantity	: 3 Sets
工作介质/Working medium	: F.W./S.W.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling:
 本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。
 The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
 无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
 无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
 The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****



中国船级社
CHINA CLASSIFICATION SOCIETY
船用产品证书
CERTIFICATE OF MARINE PRODUCT

证书格式号/Form: P01.03-
NJ000047

证书编号/Certificate No. HK17P00046_01

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 TUSHACO PUMPS PVT. LTD.

订货方

Purchaser ALLWEILER AS

产品名称 螺杆泵

Product Screw Pump

认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876

附加标志

Notations 无/Nil.

用于

Intended for 船舶与海上设施/Ships and Offshore Installations

船舶工程号

Hull No. H 2378

产品使用限定

Restriction for application of product 无/Nil.

产品编号

Serial No. 1590324-5693 & 1590324-5694

产品检验标准/ Product Inspection Standard

1. 中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章
Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position : 在产品铭牌上/ On the nameplate of the product

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

发证日期 2017年11月17日
Date of issue Nov. 17, 2017

验船师 陈建华 (Chen Jianhua)
Surveyor

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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: http://www.ccs.org.cn
本地检验机构/CCS Local Office: 中国船级社香港分社 CCS Hong Kong Branch 电话/Tel: +(852) 25476181 传真/Fax: +(852) 28582629

HK72762764

第 1 页 共 2 页 / Page 1 of 2

Nº 16143797

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.135/092.100
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1485 r/min
泵体材质/Pump body material	: CI IS: 210 FG260
轴功率/Shaft power	: 47.3 kW
数量/Quantity	: 2 Sets
工作介质/Working medium	: F.O.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling:
 本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。
 The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
 无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
 无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
 The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society.
 However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****



中国船级社
CHINA CLASSIFICATION SOCIETY
船用产品证书
CERTIFICATE OF MARINE PRODUCT

证书格式号/Form: P01.03-
NJ000047

证书编号/Certificate No. HK17P00046_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 TUSHACO PUMPS PVT. LTD.
订货方
Purchaser ALLWEILER AS
产品名称 螺杆泵
Product Screw Pump
认可证书号/Cert.No.of Approval: 无/Nil. 图纸批准号/Approval No.of drawings: NP17A02876
附加标志
Notations 无/Nil.
用于
Intended for 船舶与海上设施/Ships and Offshore Installations
船舶工程号
Hull No. H 2378
产品使用限定
Restriction for application of product 无/Nil.
产品编号
Serial No. 1590324-5695, 1590324-5696 & 1590324-5697
产品检验标准/ Product Inspection Standard

1.中国船级社《钢质海船入级规范》(2015)及其修改通报第3篇第2章
Chapter 2, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2015 and its Amendments

产品检验标志/Marking

位置/Position : 在产品铭牌上 / On the nameplate of the product
标志样式/ Type of Marking :  CCS钢印标志/ CCS steel stamp

发证日期 2017年11月17日 验船师  (Chen Jianhua)
Date of issue Nov. 17, 2017 Surveyor

本证书根据中国船级社《钢质海船入级规范》及有关程序规则制定。证书上所有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 form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: <http://www.ccs.org.cn>
本地检验机构/CCS Local Office: 中国船级社香港分社 CCS Hong Kong Branch 电话/Tel: +852(2)25176181 传真/Fax: +852(2)28582629

HK13441082

第 1 页 共 2 页 / Page 1 of 2

Nº 16143798

产品明细/ Product Description

螺杆泵/Screw Pump	
型号/Model	: 211.150/092.100
流量/Capacity	: 150 m ³ /h
排出压力/Delivery pressure	: 0.90 MPa
额定转速/Rated Rev.	: 1478 r/min
泵体材质/Pump body material	: Bronze
轴功率/Shaft power	: 55.4 kW
数量/Quantity	: 3 Sets
工作介质/Working medium	: F. W. /S. W.

产品检验方式/ Method of Product Inspection

按照规范逐件检验并抽样进行型式试验的产品/The product inspected one by one in term of the rules and inspected by type test by sampling:
 本证书所述产品检验由本社验船师根据本社规范规定逐件进行检验并抽样进行型式试验, 经检验合格后由本社颁发船用产品证书。
 The products described in the certificate have been inspected one by one in term of the rules and inspected by type test by sampling by the Surveyor of the Society, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

原材料和零部件的检验/ Inspection of Material and Components

该产品的如下原材料/零部件业经本社检验 The following materials and components of the product were inspected by the Society:
 无/Nil

产品如下原材料和零部件由本社认可的制造厂生产/The following materials and components of the product were manufactured by the factory approved by the Society:
 无/Nil

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.

其他/Others

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
 The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society.
 However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

The prime mover of pumps will be the marine service motor subjected to the classification approved.

中国船级社香港分社

CCS Hong Kong Branch



*****本证书正文完/ End of Text*****