

## Stork SWD TM 410 spares

1. End Shaft (Reconditioned) for Stork SWD 6 TM 410D (with DNV Certificate)
2. Bedplate (Reconditioned) for Stork SWD 6 TM 410D (with BV Certificate)
3. Crankshaft (Reconditioned) for Stork SWD 6 TM 410 (with BV Certificate)
4. Bedplate (Reconditioned) for Stork SWD TM 410 (with GL Certificate)





Folder: P261.0  
Cert. No.: ROT-12-051353-01



## DET NORSKE VERITAS

### SURVEY REPORT

This is to declare, that undersigned Surveyor to this Society, did at the request of The Netherlands, visit their workshop for the survey of the following:

#### One (1x) repaired end shaft

#### Particulars:

order number : 12151381,  
DNV order number : PP 051353-01,  
Engine and type : Stork, type TM410 no.2 end shaft,  
Destination :

#### Previous marking:

- LR BHIM FL NV F4748A RMO 9-10-74 D-OT Y 9-10-74 14-10-74

#### Scope of repair by \_\_\_\_\_ and accepted by DNV:

- Mainjournal was ground 0.50mm undersize to the nominal diameter of 339.50mm.
- Width thrust was measured: 190.08mm.
- Magnetic testing: Result no cracks were found.

#### Marking for identification only:

- ROT REP. DNV 051353-01

#### Note:

- It is the Operator's responsibility to evaluate and take the necessary precautions to see that the end shaft is fit for the intended use.



Digitally Signed By: Spinder, Jan Willem van  
Location: DNV Rotterdam, The Netherlands  
Signing Date: 2012-08-29

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Form No.: 40.91a Issue: January 2008 Page 1 of 1





MARINE DIVISION

BUREAU  
VERITAS

Certificate number: 1833RTD011R01



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## CERTIFICATE FOR ENGINE STRUCTURE

**Manufacturer** : STORK-WERKSPOR DIESEL (ZWOLLE - NLD)  
**Work's ref N°** :  
**Supplier** :  
**Purchaser** :  
**Purchaser's order N°** :  
**Requirements** : Bureau Veritas Rules for the Classification of Steel Ships (Jul. 2010)  
**Product description** : Engine Bedplate/Block  
**Design review** : Reference(s) : -  
**Quantity** : 1 pc  
**Remarks** : Engine Bedplate/Block for SW TM410 Diesel Engine  
: Block and pockets line-drilled and measured  
: Block alignment verified  
**Motor Type** : TM 410

**Enclosures / Remarks** : Measurement Report

This certificate is issued by Bureau Veritas as per the above Classification Rules and in compliance with the applicable technical requirements therein.

**Marking** : 1833RTD03BV11  
**Last survey** : 28 Mar 2011  
**Surveyor** : Roger Rust

**Issuance date** : 13 Oct 2011  
**Office** : BV ROTTERDAM



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BV Mod. At.E 677a February 2009

This certificate consists of 1 page(s)





MARINE DIVISION

Certificate number: 1832RTD03BV11REC



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## CERTIFICATE FOR CRANKSHAFT

**Manufacturer** : STORK-WERKSPOOR DIESEL (ZWOLLE - NLD)  
**Work's ref N°** :  
**Supplier** :  
**Purchaser** :  
**Purchaser's order N°** :  
**Requirements** : Bureau Veritas Rules for the Classification of Steel Ships (Jul. 2010)  
**Product description** : Reconditioned crankshaft  
**Design review** : Reference(s) : -  
**Quantity** : 1 pc  
**Piece / Serial number(s)** : Stock No. 3510335 - BV COI 0095K0684  
**Remarks** : Crankshaft reconditioned and all journals grinded and polished  
: to 0.5mm. No cracks found in mainjournals and crankpins  
: during NDT Test.  
**Motor type** : Stork TM410

**Enclosures / Remarks** : Measurement Report

This certificate is issued by Bureau Veritas as per the above Classification Rules and in compliance with the applicable technical requirements therein.

**Marking** : 1832RTD03BV11REC  
**Last survey** : 28 Mar 2011  
**Surveyor** : Rogier Rust

**Issuance date** : 13 Oct 2011  
**Office** : BV ROTTERDAM



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# Germanischer Lloyd

Cert. No.  
Beschreibung  
Page 1 of  
Date



## Test Certificate Prüfbescheinigung

We hereby certify that the item described in the following was tested by our Surveyor.  
Wir bescheinigen hiermit, daß nachstehend beschriebener Gegenstand von unserem Sachverständigen geprüft worden ist.

Supplier:  
Lieferant

Place of test:  
Prüfplatz

Date of test: 06.02.1998  
Prüfdatum

Item and test:  
Gegenstand und Prüfung

**Grundplatte** Kgl-Rock.

Hersteller : STORK  
Motortyp : TM 410

### Arbeitsumfang

1. Untere Zylinderbuchseneingänge ausgebüchset, in Ordnung
2. Auflageflächen für Zylinderlaufbuchsen geplant, in Ordnung

Anlage: Maßblatt

### Prüfungen

1. Auflageflächen für Zylinderlaufbuchsen auf Risse geprüft, in Ordnung (JET-L-CHECK)
2. Endbesichtigung und Maßkontrolle

Stempelung: 20868 PD SKG

Intended for:  
Bestimmter für Heijkoop Trading BV

Customer's order No.:  
Auftragsnummer des Kunden --

Supplier's order No.:  
Auftragsnummer des Lieferanten 196651

Place and date:  
Ort und Datum Düsseldorf, 17.02.1998

-1- Anlage



10093

Stamping  
Stempelung

REP  
57355 D

ZAW 98

*[Signature]*  
Surveyor of Germanischer Lloyd  
Sachverständiger des Germanischer Lloyd  
für Dross

GLADN  
1208/12  
1208/12

The latest edition of the "General Conditions" for classification and the "General Conditions for Activities other than Classification" respectively are applicable.  
The jurisdiction and place of performance is Hamburg, Germany, for application.  
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