

**VERIFICATION STATEMENT**  
**FOR REPAIRED CRANKSHAFT & BEDPLATE**

Statement No:  
**N1405TM9**

**Not valid for products (materials, components or equipment) subject to classification by DNV GL.**

**Particulars of Product**

Product Name: Repaired crankshaft & bedplate  
 Type designation: For Yanmar diesel engine, type S185L-UT.  
 Application/context: \_\_\_\_\_  
 Serial/Tag no: N.A.  
 The product is intended for: STOCK  
 Requirements are based on: Verification, according to the OEM requirements.

**Particulars of Vendor and Purchaser**

Vendor: Nico Holding B.V.  
 Vendor reference: 15150029  
 Purchaser: \_\_\_\_\_  
 Purchaser reference: NICOVERKEN stock.

Issued at **Rotterdam, Product Certification /Verification** on **2015-07-09**



for **DNV GL**

This document has been digitally signed and will therefore not have handwritten signatures  
**Splunder, Jan Willem van**  
**Surveyor**

Except for any liability caused by DNV GL's gross negligence or wilful misconduct, DNV GL's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited to USD 300 000.

## Verification extent and result

Verification extent:

- **Visual inspection.**
- **Document review.**
- **Verification of marking, hardness & crack testing.**

Verification result/comments:

- **Visual inspection carried out.**
- **All related documents reviewed.**
- **Original marking verified.**
- **Hardness checked: An average of 70 - 72 HRC was measured.**
- **Crack testing: No cracks were observed.**

### Product parameters:

Parameter name	Value	Unit
Certificate:	NK FE12RT00032, dated 2012-03-15	

### Report

**Survey was carried out at the workshop of Messrs. NICOVERKEN, Schiedam, NL.**

#### Survey results (crankshaft):

- All main journals and crank pins were ground 0.40 mm under size.
  - Width thrust bearing was measured: 91.03 mm.
  - Roughness was measured: An average of 0.19 - 0.25 Ra was measured.
- All as per measurement report 1215000-3, dated 2012-02-25.

#### Survey results (bed plate):

- Bed plate alignment was measured.
  - Bed plate main journal pockets were measured.
- All as per measurement reports: 1215000 & 125000.07, dated 2011-05-04

#### Marking:

Original marking crankshaft: NK 103 0 KSF 60 C16 28-3-79 FIN k YM 8-10-79.  
FE 12 RT 00032 RECON 15-3-12 NK 1336.

Original marking bed plate: 3-0 3.26.

Marking by DNV: ROT REP. DNV A0057775 2015-01.

#### Notes:

- **It is the operator's responsibility to evaluate and take the necessary precautions to see that the crankshaft bed plate are fit for the intended use.**
- **When this crankshaft & bed plate will be used in DNV classed objects, all related documents must be reviewed again, by DNV, for final acceptance.**