



NIPPON KAIJI KYOKAI

CERTIFICATE

No. FE12RT00032

Date: 15 March 2012

THIS IS TO CERTIFY that I, the undersigned Surveyor to the Nippon Kaiji Kyokai, Rotterdam, did at the request of Messrs. Nicoverken Holland B.V. attended their works at Schiedam, The Netherlands, on 15 March 2012 in order to examine:

ONE (1) PIECE OF CRANKSHAFT (RECONDITIONED)

In accordance with the relevant requirements of the Rules of the Nippon Kaiji Kyokai, and that I found it satisfactory.

Intended for:

Stock

Particulars:

Type

Yanmar S185

Diameter of pin & journal

140 mm (pin) 155 mm (journal)

Data

NK103 (0) KSF 60.C16.28-3-79. FIN (k) YM 8.10.79

Test and Inspection:

Crankshaft checked by specialist and found free of fractures.
Main and crank journals machined to 0.4 mm undersize.
Measurements protocol confirmed

Results of inspection:

Found crankshaft in serviceable condition.

For identification, inspection mark and test number were stamped as follows:

NK1336
FE12RT00032
RECON 15-3-12

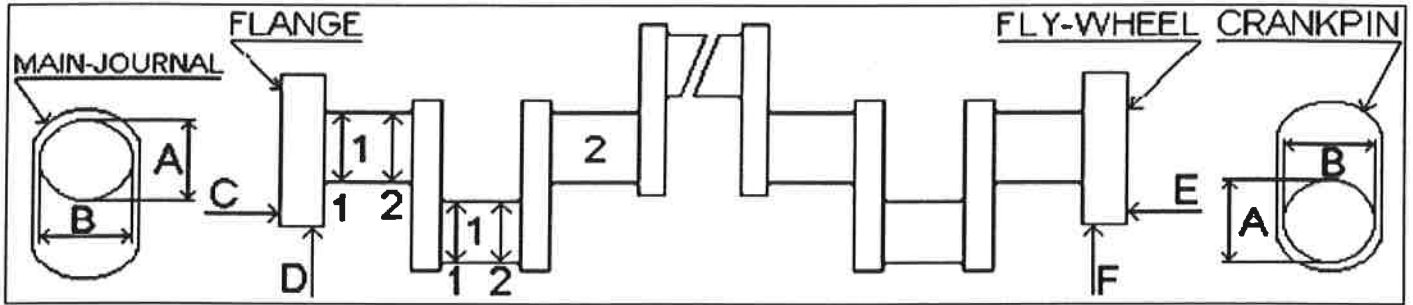

D.B.J. Krocke
Surveyor to NKRT



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SIZE PROTOCOL CRANKSHAFT

CLIENT: Nicoverken	TYPE: Yanmar S185	STROKE: 115,00
DATE : 25-01-2012	DATA: NK 103 (0) KSF 60.C16.28-3-79. FIN (k) YM 8.10.79	
ORDER: 1215000-3		
SHIP : Stock	After grinding	



NOMINAL SIZE: MAINJOURNALS: _____ MM. STANDARD SIZE: MAINJOURNALS: 155,00 MM.
 CRANKPINS : _____ MM. CRANKPINS : 140,00 MM.

MAINJOURNALS					H R C	ECCENTRICITY		CRANKPINS					H R C
A1	A2	B1	B2	SUPPORTED		BETWEEN CENTERS	A1	A2	B1	B2			
1	-40,5	-40,5	-41	-41	71		0,5	1	-40,5	-40,5	-40,5	-40,5	70
2	-40,5	-40,5	-40,5	-40,5	70		1	2	-40,5	-40,5	-41	-41	71
3	-40,5	-40,5	-41	-41	71		2	3	-41	-41	-41	-41	71
4	-41	-41	-41	-41	71		2,5	4	-41	-41	-41	-41	71
5	-40,5	-40,5	-40,5	-40,5	72		2	5	-41	-41	-41	-41	71
6	-40,5	-40,5	-40,5	-40,5	72		1	6	-41,5	-41,5	-41	-41	72
7	-40,5	-40,5	-41	-41	71		0,5	7					
8								8					
9													

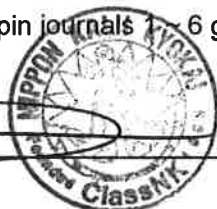
A-B MEASURE DEVIATION 1/100 MM.

ECCENTRICITY

REMARKS:

All mainjournals no. 1 ~ 7 and crankpin journals 1 ~ 6 grinded to U.S. 0,4 mm

FE 12 RT00032
 RECON 15-3-12
 NK 1336



FLANGE		FLY WHEEL	
C	D	E	F
3	1	X	2
Width thrustbearing: 91,03			
Hardness: HS			
Cracks: No cracks found			

