



NIPPON KAIJI KYOKAI

CERTIFICATE

No. FE15RT00149

Date: September 30, 2015

THIS IS TO CERTIFY that I, the undersigned Surveyor to Nippon Kaiji Kyokai (Netherlands) B.V, Barendrecht, did at the request of Messrs. Nicoverken Holland B.V., the Suppliers, attended their workshop at Schiedam, The Netherlands, on September 30, 2015, in order to examine:

ONE (1) PC 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
Order number: PR1500000006

Particulars:
Type: Yanmar T240
Data: TG1279-3-1R NK
S45CMOD MT 18-JUN-85 RT 6-AUG-85

Test and inspection: Crankshaft checked by specialist and found free of fractures.
Main journals machined 1st undersize (- 50)
Crankpins polished
Measurements protocol confirmed
(diameter of journals and crankpins, excentricity, hardness and surface roughness and NDT report)

Result of tests and inspection: Found crankshaft in serviceable condition

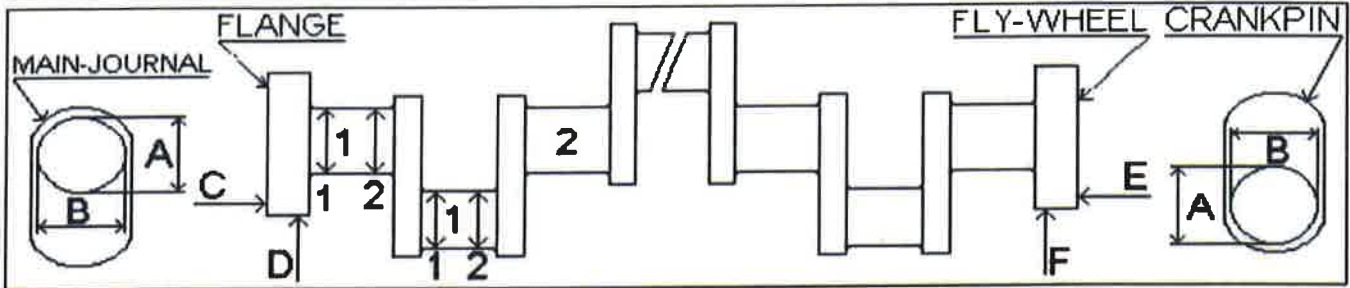
For identification purposes the crankshaft was additionally stamped as follows:

NK 1943
FE15RT00149


E.L. Feij
Surveyor to
NKK (Netherlands) B.V.

SIZE PROTOCOL CRANKSHAFT

CLIENT: Nicoverken	TYPE: YANMAR T240	STROKE: 155
DATE : 31-03-2015	DATA: After TG1279-3-IR . S45CMOD . MT. 18-JUN-85	
ORDER: PR1500000006	RT.6 - AUG - 85 YM . NK(YM)	
SHIP : Stock	after grinding	



NOMINAL SIZE: MAIN PIN _____ MM. STANDARD SIZE: MAIN PIN 200 MM.
 CRANKPINS _____ MM. CRANKPINS 180 MM.

	MAIN JOURNALS				H S	R μm	ECCENTRICITY			CRANKPINS				H S	R μm
	A1	A2	B1	B2			SUPPORTED	BETWEEN CENTERS		A1	A2	B1	B2		
1	-51	-51	-50,5	-50,5	71,9	0,19		1	1	-2	-2	-1	-1	71,4	0,20
2	-51,5	-51,5	-51	-51	72,4	0,21		2	2	-1,5	-1,5	-1	-1	71,6	0,21
3	-51	-51	-51	-51	69,9	0,20		3	3	-2	-2	-1,5	-1,5	70,8	0,22
4	-50,5	-50,5	-50,5	-50,5	70,9	0,20		3,5	4	-1,5	-1,5	-1	-1	71,2	0,20
5	-50,5	-50,5	-51	-51	70,7	0,21		2,5	5	-2	-2	-1,5	-1	69,5	0,19
6	-51	-51	-51	-51	70,7	0,19		2	6	-2	-2	-1,5	-1,5	71,3	0,20
7	-51	-51	-51	-51	71,3	0,20		1	7						
8									8						
9															

A-B MEASURE DEVIATION 1/100 MM.

ECCENTRICITY

REMARKS: DH polished

HH 1e undersized

30 September 2015



724 1943 FE15RT00149

FLANGE		FLY WHEEL	
C	D	E	F
1,5	1	X	1
Width thrustbearing: 102,03			
Hardness: HS			
Cracks: None were found			

