

TESTPLAN INSTRUCTIONS



15-SEP-12

report date:

20-SEP-11

Date -

Approbation

☒ final OK

☒ temp OK

3

Counter

0

Ver

TP9631330280

TEST PLAN NO

Drawing NO

PART DESIGNATION

PART NO

ISSUE

PROJECT

9631330280

CAMSHAFT THRUST BEARING

9631330280

-

P6

Test Plan Parameters

Assembly check

Test Parameter 004

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No production line approval

-

Test type
Comment

Test Method

Test Equipment

Dimensions & tolerances

Test Parameter 01

Item No

Test Place

B

9631330280

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No according to drawing

-

Test type
Comment

Test Method

Test Equipment

chemical specs

Test Parameter 02

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

DIN_EN

10132-PT4

Standard No

-

Test type
Comment

Test Method

Test Equipment

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Test Plan Parameters

material		Test Parameter		02-01		Item No	
	Test Place	B	9631330280	Drawing No	----	Unit	Safety / Regulation Acc. Range
DIN_EN		10132-PT4	Standard No steel XC70 or 100Cr6 according to standard				
		-	Test type Comment				
			Test Method				
			Test Equipment				

material structure		Test Parameter		02-02		Item No	
	Test Place			Drawing No	----	Unit	Safety / Regulation Acc. Range
			Standard No Tempered Martensite				
		-	Test type Comment				
			Test Method				
			Test Equipment				

surface hardness		Test Parameter		02-03		Item No	
	Test Place			Drawing No	HRC	Unit	Safety / Regulation Acc. Range
			Standard No 50-54 HRC				
		-	Test type Comment				
			Test Method				
			Test Equipment				

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Test Plan Parameters

Endurance tests to be done on engine dyno

Test Parameter 03

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No

Test type
Comment

Test Method

Test Equipment

500 hr general endurance test

Test Parameter 03-01

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No

Test type
Comment

No failure

Test Method

Test Equipment

110 hr critical speed

Test Parameter 03-02

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No

Test type
Comment

No failure

Test Method

Test Equipment

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Test Plan Parameters

Timing drive wear test (japan -taxi)

Test Parameter 03-03

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No no failure

Test type
Comment

Test Method

Test Equipment

150 hr Max power

Test Parameter 03-04

Item No

Test Place

Drawing No

Unit

Safety / Regulation
Acc. Range

Standard No No failure

Test type
Comment

Test Method

Test Equipment

Note1: In case of any nonconformity may arise between this test plan and the original PSA documents, the PSA documents are considered as the reference for acceptance of the part

Note2: Test place definition

Supplier is responsible to submit the initial samples with full test report

IKCO: Test facility is available in Iran Khodro group (SAPCO, ITRAC, IKCO LAB, ...). It doesn't mean this test must be done by IKCO necessarily

SUPPLIER: Special test bench is required for this part and is not available at IKCO or other Labs. Then supplier must be equipped with required facilities

OTHER: Test facility is not available at IKCO but some internal laboratory within the country has the facilities

PSA: Test facility is not available in Iran then a foreign accredited laboratory can perform the test (PSA or other) or purchasing required facility by supplier/IKCO

Note3: Test type definition

Approbation test: This test is done on initial sample for validation of the part (only one time)

Acceptance test: This test is done on initial sample and should be repeated periodically during mass production

Note4: The latest version of standards is valid, unless otherwise is indicated

Technical office

Quality Committee

Product Engineering

Signature