



CUSTOMER

W.F. VOSKERO
Aggeliki Kritikou

SAMPLE DATA

Ref: VEST00649-0006-S50.1

Descrip.: Gearbox - Gearbox

Tmk:

Model: V-52

Serial N.: 18512

Sample Ref.: 20/06/2016-1070947

Oil label:

Date sampled: 07/03/2016

Oil type: CASTROL OPTIGEAR SYNTHETIC X 320

S/Ref. :

Lab. date: 10/06/2016

Machine serv.:

Oil serv.:

Adds (l):

Capac.(l):

LAST SAMPLE CONCLUSIONS

The oil is fit for further use. There are no symptoms of contamination or abnormal wear.



RESULTS

Date sampled: 07/03/2016 18/06/2015 27/11/2014 14/05/2014

Sample Ref.: 1070947 1016849 938137 886434

Machine serv.:

Oil serv.:

Report date: 20/06/2016 23/11/2015 29/01/2015 02/07/2014

Status

Oxidation (A/cm) <1 <1

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Appearance (Adim) Dark transp. Dark transp. Dark transp. Dark transp.

Water content (mg/kg) 536 301 283 180

TAN (mgr KOH/gr) 0.91 1.1 1.11 1.37

Visc. Index (Adim) 147 152 152 152

Viscosity 100°C (cst) 34.8 34.78 34.26

Viscosity 100°C (cst) 33.78

Viscosity 40°C (cst) 322.9 324.4 316.97

Viscosity 40°C (cst) 325

Particles count

ISO 4406/99 (Adim) 19/18/12 16/15/11 18/14/10 14/12/9

Part > 4 microns (100ml) 479018 57302 220916 14663

Part > 6 microns (100ml) 142691 18007 15107 3354

Part > 14 microns (100ml) 3812 1027 691 479

Additives

B Content (ppm) <30 0 0

Ba Content (ppm) 0 0 0

Ca Content (ppm) 1602 1673 1462 1478

Mg Content (ppm) 6 6 4 5

P Content (ppm) 283 316 276 276

Zn Content (ppm) 5 3 3 3

Contamination and wear metals

Al Content (ppm) 0 3 0 0

Cr Content (ppm) 0 0 0 0

Cu Content (ppm) 1 0 1 0

Fe Content (ppm) 1 1 1 1

K Content (ppm) 0 0 1 0

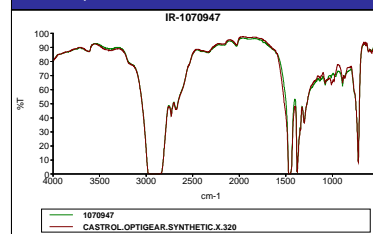
Mo Content (ppm) 790 855 729 761

Na Content (ppm) 2 2 2 1

Ni Content (ppm) 0 0 0 0

Pb Content (ppm) 0 0 0 0

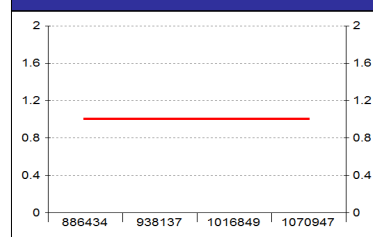
FTIR Spectrum



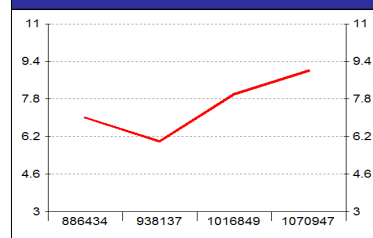
Sample:



Fe Content



Si Content



Performed by: Manuel Bilbao

20/06/2016

Status: Normal Caution Alarm

Tests done from 09/06/2016 to 20/06/2016

NOTE: The obtained results only correspond to the tested samples. This report can not be reproduced neither partially nor totally without the express written permission of the laboratory that emits it. Sample will be destroyed 15 DAYS after the emission of this report.

The uncertainties of the tests are calculated and available to customers

IK4 - TEKNIKER does not provide any warranty expressed or implied is made against failure of this equipment. The reported recommendations are based on interpretations of the generated test results, equipment historical data and the information supplied by the customer.

This service is to aid preventive/predictive maintenance actions only.

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Contamination and wear metals

Si Content (ppm) 9 8 6 7

Sn Content (ppm) 2 2 1 2

Particles

PQ Index (Adim) 0 0 5 2

Performed by: Manuel Bilbao

20/06/2016

Status: Normal **Caution** **Alarm**
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