**Test report** Ref: 5-23311-2016-1070941-0 1/3



## **CUSTOMER**

W.F. VOSKERO Aggeliki Kritikou

## **SAMPLE DATA**

Ref: VEST00649-0003-S50.1 Descrip.: Gearbox - Gearbox

Tmk: Model: V-52 Serial N.: 18509

Sample Ref.: 14/06/2016-1070941 Oil label:

Date sampled: 02/03/2016 S/Ref.: Oil type: TEXACO MEROPA 320 Lab. date: 10/06/2016

Machine serv.: Capac.(I): Oil serv .: Adds (I):

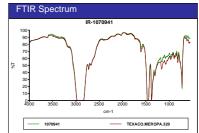
## LAST SAMPLE CONCLUSIONS

**RESULTS** 

Calcium content significantly high. Follow actions in VTM. Molybdenum content significantly high. Follow actions in VTM.



	KESUL15					
Date sampled:	02/03/2016	10/08/2015	18/06/2015	15/04/2014		
Sample Pof ·	1070941	1016848	976190	872648		
Sample Ref.: Machine serv.:	1070941	1010040	970190	072040		
Oil serv.:						
G., 66.71.						
Report date:	20/06/2016	23/11/2015	22/06/2015	09/05/2014		
Status						
Oxidation (A/cm)			<1			
Oxidation (A/cm)	<1	3		< 1		
Appearance (Adim)	Dark transp.	Dark transp.	Bright Transp.	Bright Transp		
Water content (mg/kg)		62	98	302		
Water content (mg/kg)	68					
TAN (mgr KOH/gr)	0.36	0.4	0.38	1.32		
Visc. Index (Adim)	110	97	97	150		
Viscosity 100°C (cst)	7.0	24.1	24.08	34.24		
Viscosity 100°C (cst)	25.65		200	02		
Viscosity 40°C (cst)	20.00	312.2	313.6	322.73		
Viscosity 40°C (cst)	302.1	3.2.2	0.0.0	022		
Particles count	002.1					
ISO 4406/99 (Adim)	19/17/12	21/16/10	22/18/13	17/15/10		
Part > 4 microns (100ml)	452542	1210018	2930444	9888		
Part > 6 microns (100ml)	126461	34965	136013	31070		
Part > 14 microns (100ml)	2131	986	4132	843		
Additives	2.01			0.0		
B Content (ppm)	<30		<5	(		
Ba Content (ppm)	0	0	<5	(		
Ca Content (ppm)	311	13	19	1655		
Mg Content (ppm)	2	0	<5	(		
P Content (ppm)	194	189	205	319		
Zn Content (ppm)	19	12	9	2		
Contamination and wear metals	13	12	J	-		
Al Content (ppm)	0	0	<5	(		
Cr Content (ppm)	0	0	<5			
Cu Content (ppm)	1	1	<5	(		
** .	12	5	<5	1		
Fe Content (ppm)	12	0		(		
K Content (ppm)	179	2	<5 7	880		
Mo Content (ppm)	4	0		2		
Na Content (ppm)			<5			
Ni Content (ppm)	0	0	<5	C		
status: Normal Caution Alarm	Y	/	/	Y		





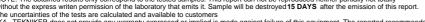




Performed by: Manuel Bilbao



Tests done from 09/06/2016 to 14/06/2016



lests done from 09/06/2016 to 14/06/2016

NOTE: The obtained results only correspond to the tested samples. This report can not be reproduced neither partially not totally without the express writen 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.

FUNDACION TEKNIKER-cl/laki Genegag.5-2060-EIBAR-Gipúzcoa-(SPAIN)-Tel.: +34943206744-CIF:ESG20545729

www.tekniker.es www.lubrication-management.com

**Test report** Ref: 5-23311-2016-1070941-0 2/3



## **CUSTOMER**

W.F. VOSKERO Aggeliki Kritikou

# **SAMPLE DATA**

Ref: VEST00649-0003-S50.1 Descrip.: Gearbox - Gearbox

Tmk: Model: V-52 Serial N.: 18509

Sample Ref.: 14/06/2016-1070941 Oil label: Date sampled: 02/03/2016 Oil type: TEXACO MEROPA 320 S/Ref.: Lab. date: 10/06/2016

Machine serv.: Adds (I): Capac.(I): Oil serv.:

# LAST SAMPLE CONCLUSIONS

Calcium content significantly high. Follow actions in VTM. Molybdenum content significantly high. Follow actions in VTM.



		DEO	што		
		RES	ULTS		
Date sampled:	02/03/2016	10/08/2015	18/06/2015	15/04/2014	
Sample Ref.:	1070941	1016848	976190	872648	
achine serv.:					
serv.:					
eport date:	20/06/2016	23/11/2015	22/06/2015	09/05/2014	
Contamination and wear metals					
b Content (ppm)	0	0	<5	0	
Content (ppm)	2	0	<5	8	
Content (ppm)	0	0	<5	1	
articles					
Q Index (Adim)	4	6	5	1	
					Performed by: Manuel Bilba
					14/06/2016
					1001
					NIK
		F 1555	F1559		411
tatus: Normal Caution Alarm	X	<b>/</b>	<b>V</b>	×	
Fests done from 09/06/2016 to 14/06/2016  E: The obtained results only correspond to the tested sample but the express writen permission of the laboratory that emits	This was a	annual and the	antially mark to the		0 0

NOTE: The obtained results only correspond to the tested samples. This report can not be reproduced neither partially not totally without the express writen 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. FUNDACION TEKNIKER-ci/flaki Genegag, 5-20600-EIBAR-Gipúzcoa-(SPAIN)-Tel.: +34943206744-CIF:ESG20545729 www.tekniker.es www.lubrication-management.com

Ref: 5-23311-2016-1070941-0 **Test report** 3/3



# CUSTOMER

# W.F. VOSKERO Aggeliki Kritikou

	Test methods				
Status					
Oxidation (A/cm)	(ASTM E2412-10) Differential Trending				
Oxidation (A/cm)	(ASTM D7414-09) Differential Trending				
Appearance (Adim)	(PE-TA.096)				
Water content (mg/kg)	(PE-TA.084)				
Water content (mg/kg)	(PE-TA.147)				
TAN (mgr KOH/gr)	(PE-TA.043_5.1 colorimétrico)				
Visc. Index (Adim)	(ASTM D2270-10)				
Viscosity 100°C (cst)	(PE-TA.054)				
Viscosity 100°C (cst)	(ASTM D7279-14a)				
Viscosity 40°C (cst)	(PE-TA.054)				
Viscosity 40°C (cst)	(ASTM D7279-14a)				
Particles count					
ISO 4406/99 (Adim)	(ASTM D7647-10)				
Additives					
B Content (ppm)	(PE-TA.007)				
Ba Content (ppm)	(PE-TA.007)				
Ca Content (ppm)	(PE-TA.007)				
Mg Content (ppm)	(PE-TA.007)				
P Content (ppm)	(PE-TA.007)				
Zn Content (ppm)	(PE-TA.007)				
Contamination and wear metals	(LE Moor)				
Al Content (ppm)	(PE-TA.007)				
Cr Content (ppm)	(PE-TA.007)				
Cu Content (ppm)	(PE-TA.007)				
Fe Content (ppm)	(PE-TA.007)				
	(PE-TA.007)				
K Content (ppm)					
Mo Content (ppm)	(PE-TA.007)				
Na Content (ppm)	(PE-TA.007)				
Ni Content (ppm)	(PE-TA.007)				
Pb Content (ppm)	(PE-TA.007)				
Si Content (ppm)	(PE-TA.007)				
Sn Content (ppm) Particles	(PE-TA.007)				
PQ Index (Adim)	(PE-TA.024)				