



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINANTS	NORMAL
OIL CONDITION	NORMAL

Area
(CGHOH)
Machine Id
[CGHOH] EUROCOPTER B2 9096
Component
Main Jet Turbine
Fluid
MOBIL JET OIL 254 (6 LTR)

RECOMMENDATION

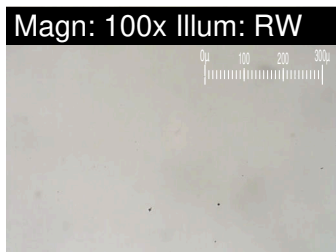
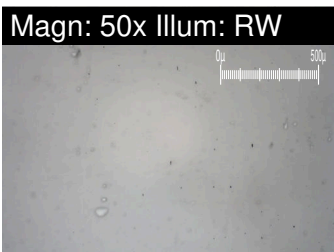
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

Tin ppm levels are abnormal. The ferrography results are normal indicating no abnormal wear in the system.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0863958	WC0847675	WC0847672
Sample Date		Client Info		19 Jan 2024	26 Oct 2023	08 Sep 2023
TSN	hrs	Client Info		12297	12263	12174
TSO	hrs	Client Info		1139	5056	3546
Oil Age	hrs	Client Info		294	269	179
Filter Age	hrs	Client Info		294	269	179
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>8	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>2	<1	0	0
Lead	ppm	ASTM D5185(m)	>3	0	<1	0
Copper	ppm	ASTM D5185(m)	>3	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>2	▲ 2	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Large Particles		DR-Ferr*		3.6	1.4	1.3
Small Particles		DR-Ferr*		3.6	2.1	0.3
Total Particles		DR-Ferr*	>---	7.2	3.5	1.6
Large Particles Percentage	%	DR-Ferr*		0	0	62.5
Severity Index		DR-Ferr*		0	1	1
Ferrous Rubbing	Scale 0-10	ASTM D7684*		1	1	1
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		1	1	
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*				
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				



CONTAMINANTS

There is no indication of any contamination in the oil.

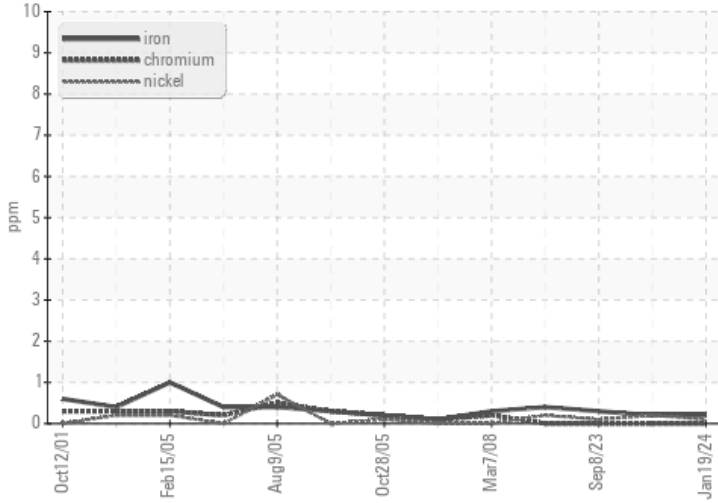
Silicon	ppm	ASTM D5185(m)	>8	1	<1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Water	%	ASTM D6304*	>0.1	0.018	0.052	0.078
ppm Water	ppm	ASTM D6304*	>1000	189	526.1	789.1
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*		1		1
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*			1	

OIL CONDITION

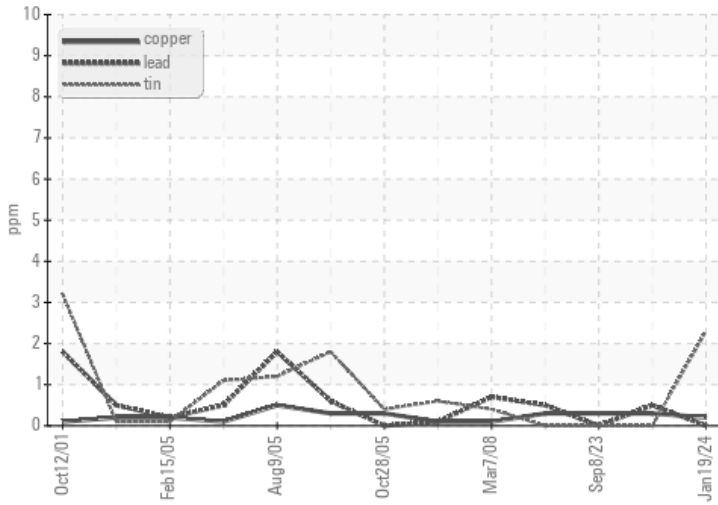
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		0	<1	<1
Boron	ppm	ASTM D5185(m)	0	<1	<1	0
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	0	<1
Calcium	ppm	ASTM D5185(m)	0	0	<1	<1
Phosphorus	ppm	ASTM D5185(m)	3000	2699	3163	2936
Zinc	ppm	ASTM D5185(m)	0	11	14	13
Sulfur	ppm	ASTM D5185(m)	0	0	15	10
Acid Number (AN)	mg KOH/g	ASTM D974*	0.08	0.18	0.19	0.14
Visc @ 40°C	cSt	ASTM D7279(m)	26.4	24.6	27.7	27.2
Visc @ 100°C	cSt	ASTM D7279(m)	5.3	5.4	5.3	5.3
Viscosity Index (VI)	Scale	ASTM D2270*	137	163	126	130
Lubricant Degradation	Scale 0-10	ASTM D7684*				

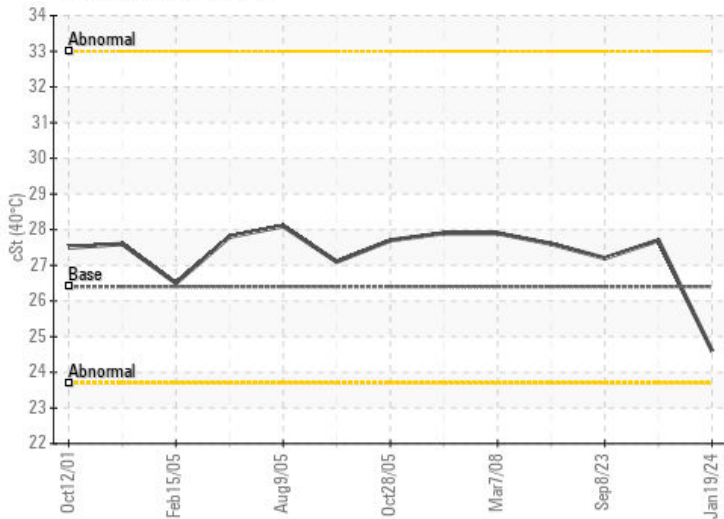
Ferrous Alloys



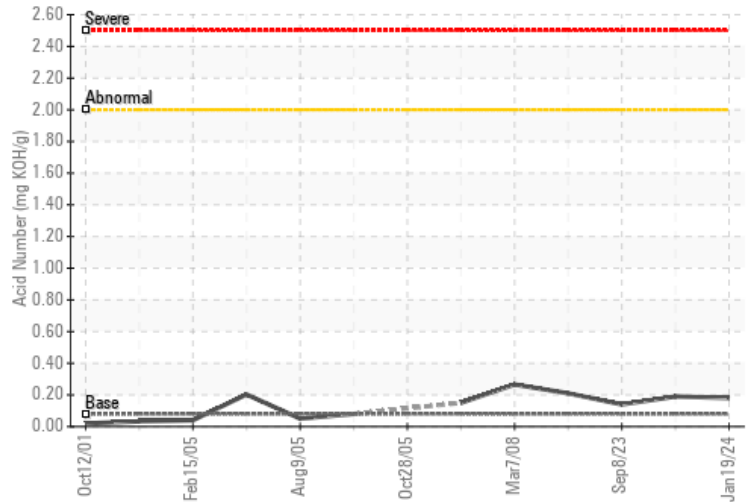
▲ Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0863958
Lab Number : 02610874
Unique Number : 5719969
Test Package : AVI 3

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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