MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
OR1087
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Les taux d'usure de tous les composants sont normaux.

CONTAMINATION

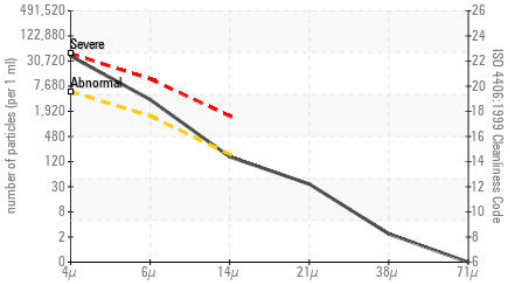
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

FLUID CONDITION

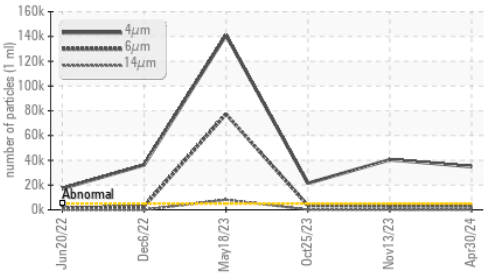
l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082160	PC0078590	PC0078570
Sample Date		Client Info		30 Apr 2024	13 Nov 2023	25 Oct 2023
Machine Age	hrs	Client Info		5541	5354	51567
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	10	10	10
Chromium	ppm	ASTM D5185(m)	>10	2	2	2
Nickel	ppm	ASTM D5185(m)	>10	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>10	0	<1	<1
Copper	ppm	ASTM D5185(m)	>75	5	5	5
Tin	ppm	ASTM D5185(m)	>10	0	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
Silicon	ppm	ASTM D5185(m)	>20	0	1	1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 34883	▲ 40484	▲ 21411
Particles >6µm		ASTM D7647	>1300	▲ 3208	▲ 3174	▲ 3515
Particles >14µm		ASTM D7647	>160	138	94	139
Particles >21µm		ASTM D7647	>40	31	24	25
Particles >38µm		ASTM D7647	>10	2	3	2
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/19/14	▲ 23/19/14	▲ 22/19/14
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	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
Sodium	ppm	ASTM D5185(m)		1	2	2
Boron	ppm	ASTM D5185(m)	5	7	8	9
Barium	ppm	ASTM D5185(m)	5	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	5	2	3	3
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	25	78	82	90
Calcium	ppm	ASTM D5185(m)	200	183	190	205
Phosphorus	ppm	ASTM D5185(m)	300	403	407	451
Zinc	ppm	ASTM D5185(m)	370	485	490	532
Sulfur	ppm	ASTM D5185(m)	2500	1334	1417	1547
Visc @ 40°C	cSt	ASTM D7279(m)	32	32.6	32.3	32.3
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	5.7	5.8	5.8
Viscosity Index (VI)	Scale	ASTM D2270*	102	115	122	122

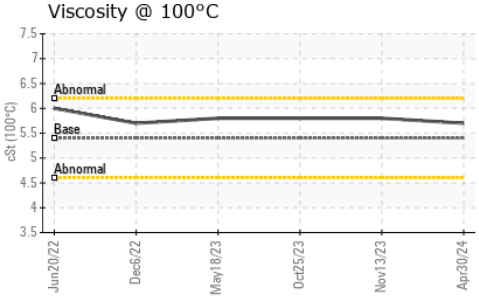
Particle Count



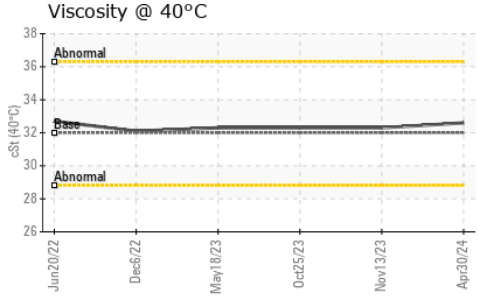
Particle Trend



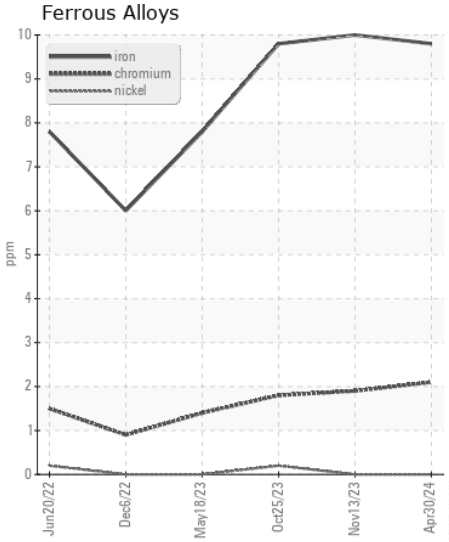
Viscosity @ 100°C



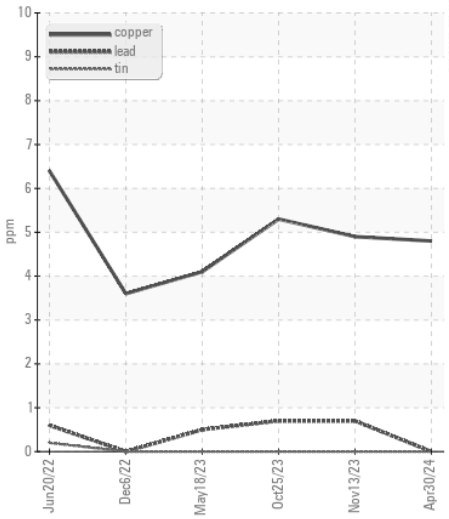
Viscosity @ 40°C



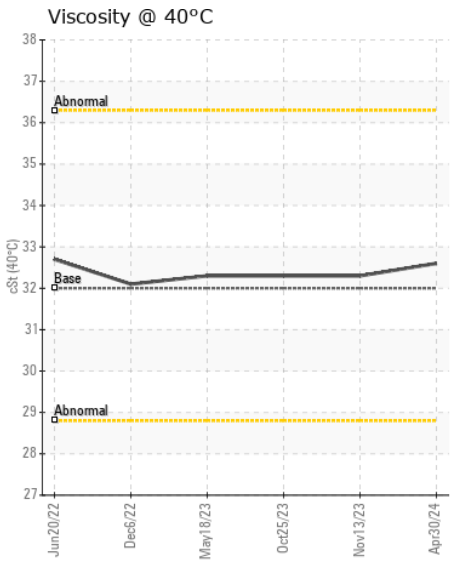
Ferrous Alloys



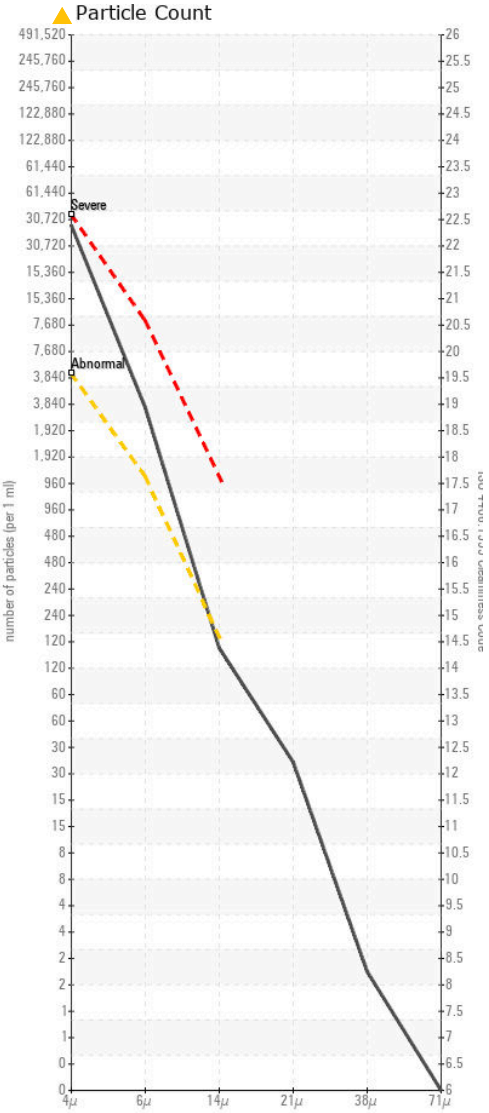
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082160
Lab Number : 02633150
Unique Number : 5774303
Test Package : MOB 1 (Additional Tests: KV100, PrtCount, VI)

Received : 03 May 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Wes Davis

GFL Environmental - 737 - Quebec City Hauling
6205 Boul. Wilfrid Hamel,
Quebec City, QC
CA G2E 5G8
Contact: Manon Cote
mcote@matrec.ca
T:
F:

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.