MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
401164
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. Le reniflard d`air doit être réparé. S`il n`est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

WEAR

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

CONTAMINATION

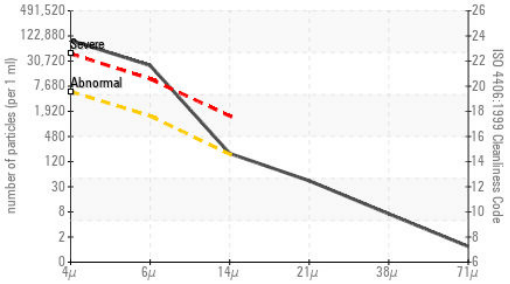
Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

FLUID CONDITION

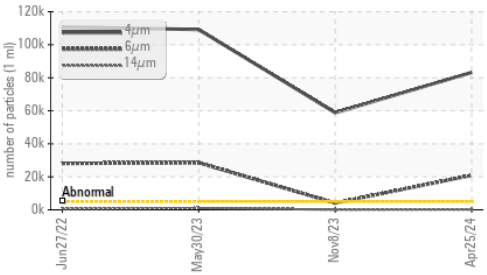
l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0111799	GFL0063137	GFL0063118
Sample Date		Client Info		25 Apr 2024	08 Nov 2023	30 May 2023
Machine Age	hrs	Client Info		11344	10331	9463
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185(m)	>50	28	25	26
Chromium	ppm	ASTM D5185(m)	>10	1	1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	2	2	2
Lead	ppm	ASTM D5185(m)	>4	0	0	0
Copper	ppm	ASTM D5185(m)	>15	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	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)	>15	7	5	6
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 83227	▲ 58806	▲ 109210
Particles >6µm		ASTM D7647	>1300	▲ 20891	▲ 4082	▲ 28558
Particles >14µm		ASTM D7647	>160	● 166	64	▲ 1076
Particles >21µm		ASTM D7647	>40	37	16	▲ 267
Particles >38µm		ASTM D7647	>10	6	1	13
Particles >71µm		ASTM D7647	>3	1	0	2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/22/15	▲ 23/19/13	▲ 24/22/17
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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
Sodium	ppm	ASTM D5185(m)		6	5	6
Boron	ppm	ASTM D5185(m)	0	2	2	2
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	1
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	0	14	13	13
Calcium	ppm	ASTM D5185(m)	50	83	79	81
Phosphorus	ppm	ASTM D5185(m)	330	350	330	367
Zinc	ppm	ASTM D5185(m)	430	436	430	429
Sulfur	ppm	ASTM D5185(m)	760	813	782	794
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	31.7	31.8	31.7

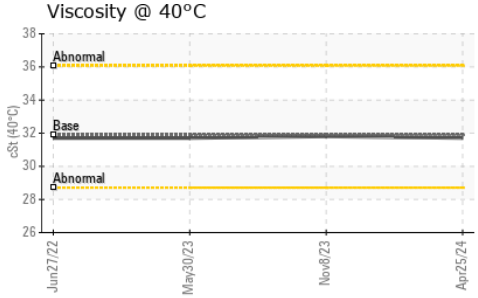
Particle Count



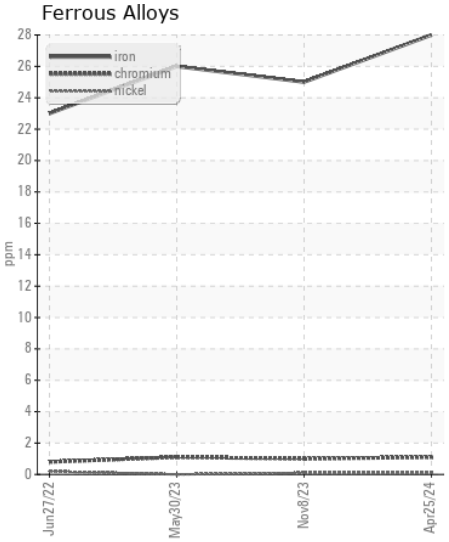
Particle Trend



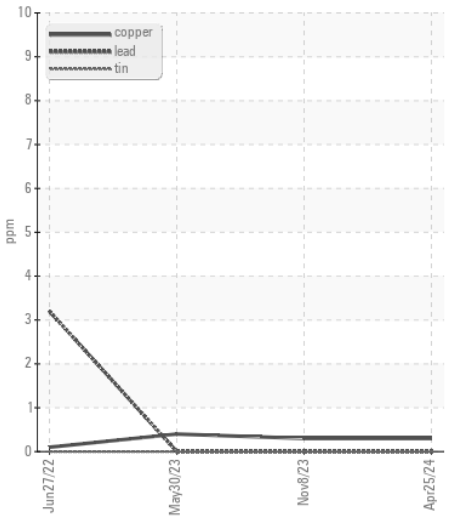
Viscosity @ 40°C



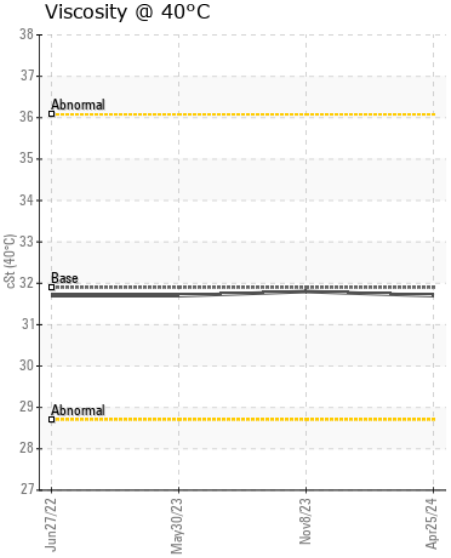
Ferrous Alloys



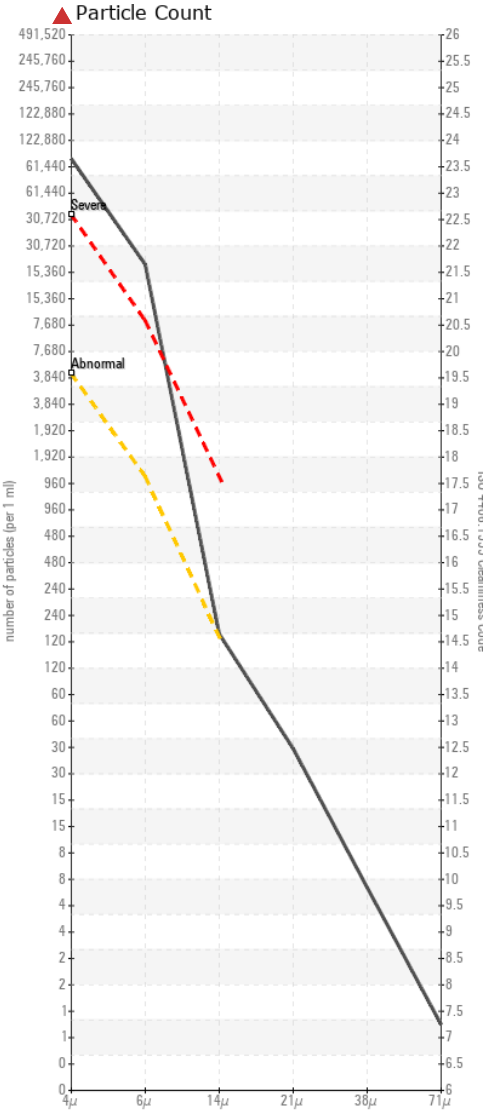
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0111799
Lab Number : 02634138
Unique Number : 5775291
Test Package : MOB 1 (Additional Tests: PrtCount)

Received : 08 May 2024
Tested : 09 May 2024
Diagnosed : 09 May 2024 - Wes Davis

GFL Environmental - 769 - Drummondville CD
1005 rue Rhea
Drummondville, QC
CA J2B 8A9
Contact: Service Manager

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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F: