MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
811040
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

WEAR

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

CONTAMINATION

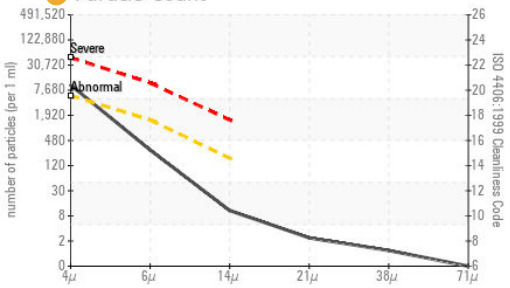
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

FLUID CONDITION

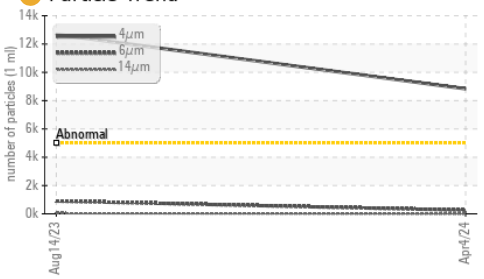
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107619	GFL0087563	---
Sample Date		Client Info		04 Apr 2024	14 Aug 2023	---
Machine Age	hrs	Client Info		5449	70426	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ATTENTION	ABNORMAL	---
Iron	ppm	ASTM D5185(m)	>40	24	15	---
Chromium	ppm	ASTM D5185(m)	>5	0	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	<1	---
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>8	1	<1	---
Lead	ppm	ASTM D5185(m)	>5	0	0	---
Copper	ppm	ASTM D5185(m)	>20	2	2	---
Tin	ppm	ASTM D5185(m)	>2	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>20	3	2	---
Potassium	ppm	ASTM D5185(m)	>20	5	2	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		1.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*		16.9	---	---
Particles >4µm		ASTM D7647	>5000	8838	12682	---
Particles >6µm		ASTM D7647	>1300	250	905	---
Particles >14µm		ASTM D7647	>160	9	42	---
Particles >21µm		ASTM D7647	>40	2	10	---
Particles >38µm		ASTM D7647	>10	1	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/15/10	21/17/13	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		4	3	---
Boron	ppm	ASTM D5185(m)	0	<1	<1	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	---
Manganese	ppm	ASTM D5185(m)	1	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	0	10	10	---
Calcium	ppm	ASTM D5185(m)	50	74	72	---
Phosphorus	ppm	ASTM D5185(m)	330	339	367	---
Zinc	ppm	ASTM D5185(m)	430	435	437	---
Sulfur	ppm	ASTM D5185(m)	760	800	819	---
Oxidation	Abs/.1mm	ASTM D7414*		8.8	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	32.9	32.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	6.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	134	---	---

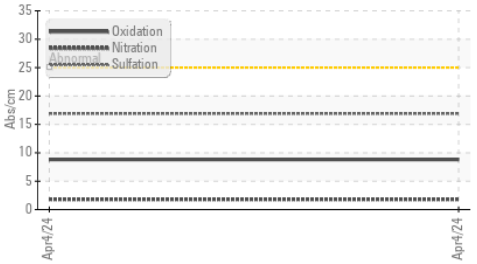
Particle Count



Particle Trend

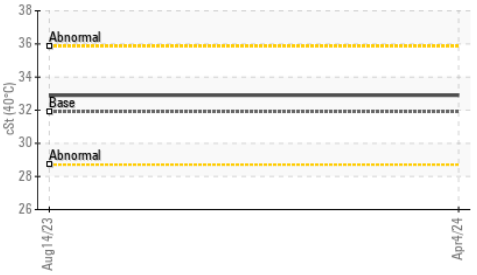


FT-IR (Direct Trend)

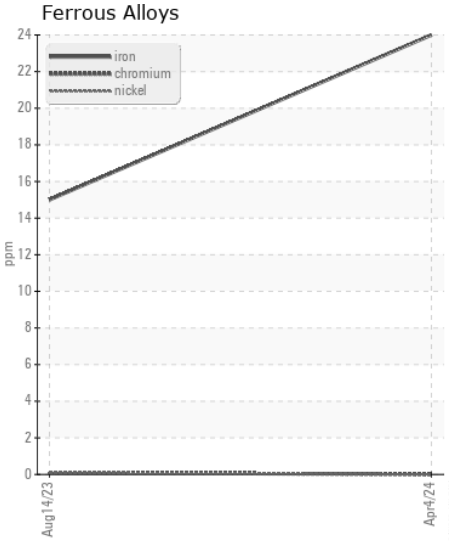


Viscosity @ 100°C

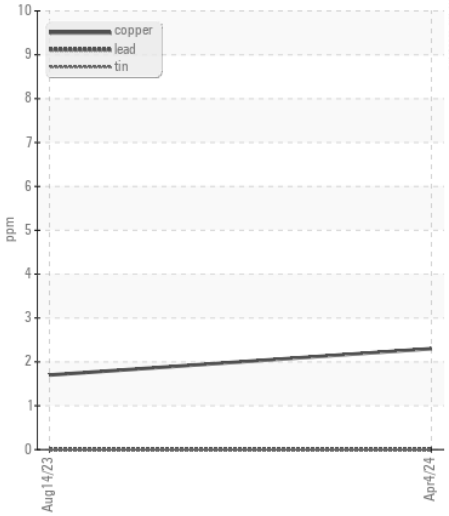
Viscosity @ 40°C



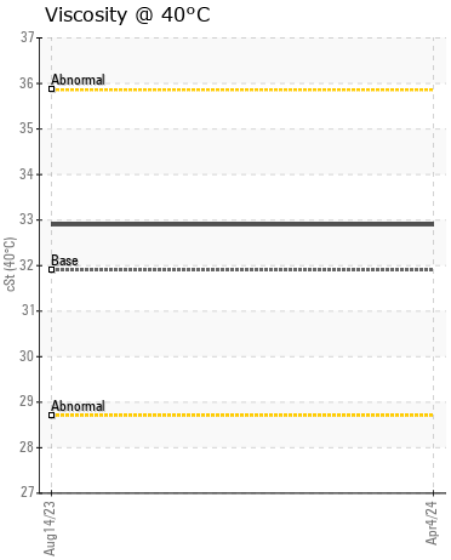
Ferrous Alloys



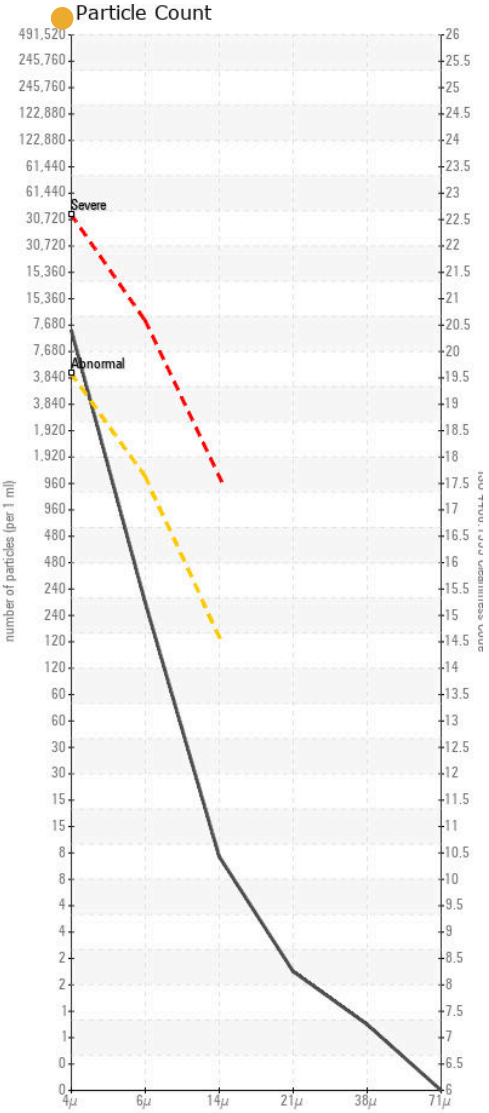
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107619
Lab Number : 02628882
Unique Number : 5762014
Test Package : MOB 1 (Additional Tests: FT-IR, KV100, PrtCount, VI)

Received : 15 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 16 Apr 2024 - Wes Davis

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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