



Machine Id
411014
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Confirm the source of the lubricant being utilized for top-up/fill. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0101674	GFL0063114	GFL0070516
Sample Date		Client Info		25 Oct 2023	18 May 2023	17 Nov 2022
Machine Age	hrs	Client Info		6176	5384	4317
Oil Age	hrs	Client Info		6176	0	4317
Filter Age	hrs	Client Info		2000	0	4317
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	5	4	4
Chromium	ppm	ASTM D5185(m)	>10	2	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>15	2	3	2
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

CONTAMINATION

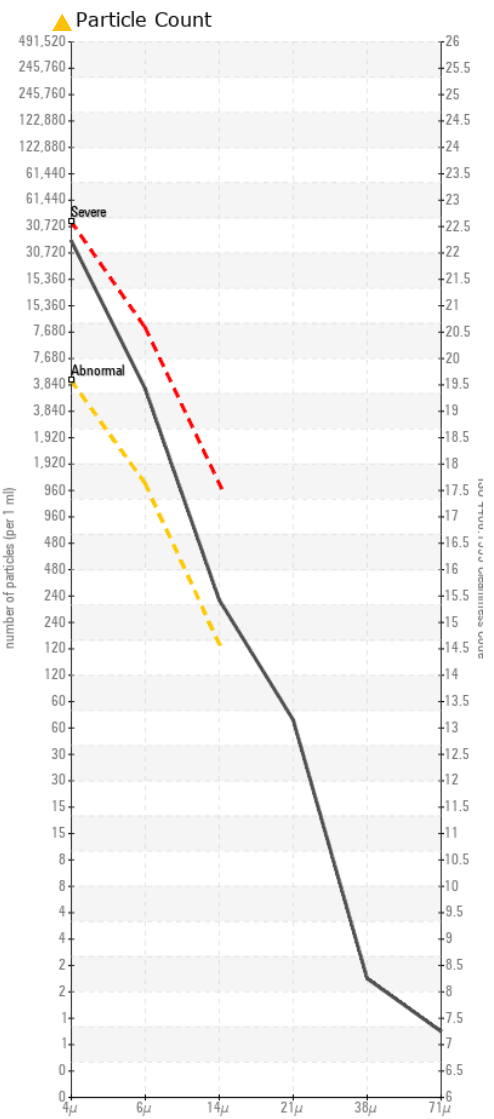
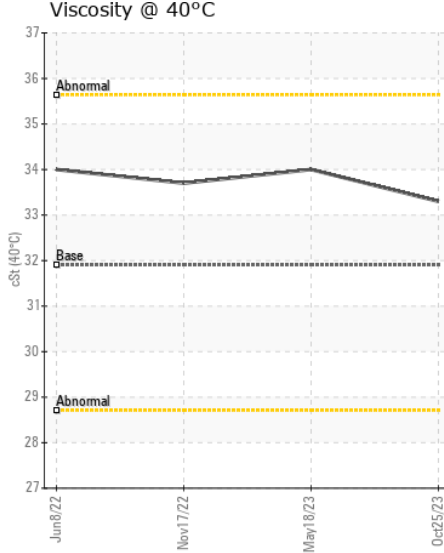
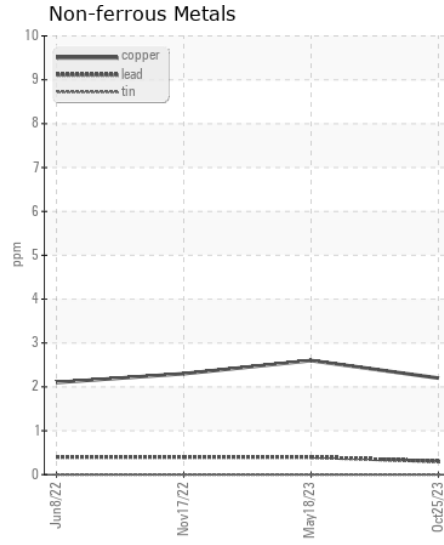
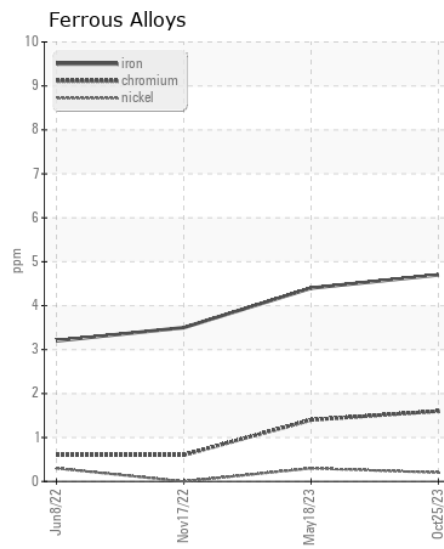
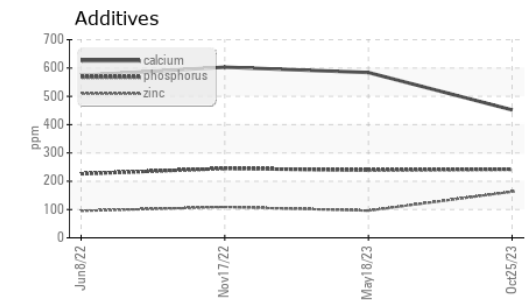
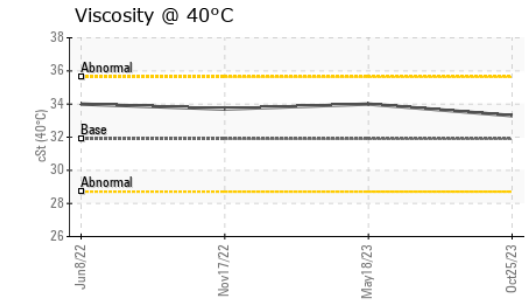
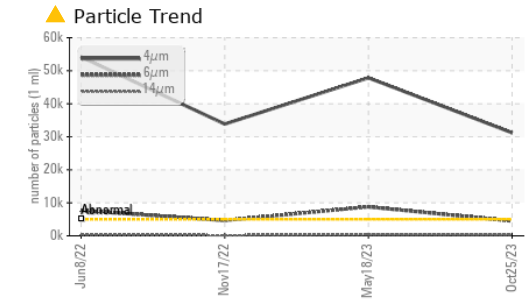
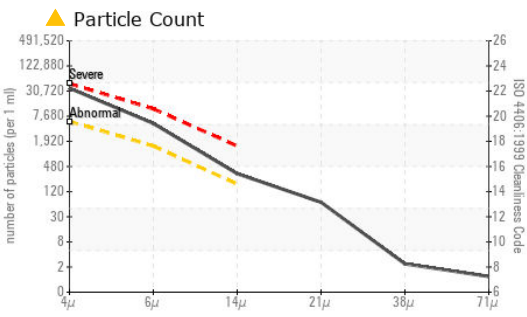
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	31209	47853	33850
Particles >6µm		ASTM D7647	>1300	4493	8769	4656
Particles >14µm		ASTM D7647	>160	284	326	152
Particles >21µm		ASTM D7647	>40	59	70	40
Particles >38µm		ASTM D7647	>10	2	3	2
Particles >71µm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	22/19/15	23/20/16	22/19/14
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

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		2	3	2
Boron	ppm	ASTM D5185(m)	0	2	2	3
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	<1
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	2	2	4
Calcium	ppm	ASTM D5185(m)	50	452	584	603
Phosphorus	ppm	ASTM D5185(m)	330	242	239	245
Zinc	ppm	ASTM D5185(m)	430	163	96	109
Sulfur	ppm	ASTM D5185(m)	760	992	1071	1081
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	33.3	34.0	33.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 731 - Granby - Hauling - Solid Waste
Sample No. : GFL0101674 **Received** : 15 Jan 2024 140 Martin Street,
Lab Number : 02608744 **Diagnosed** : 16 Jan 2024 Granby, QC
Unique Number : 5709830 **Diagnostician** : Kevin Marson CA J2G 8B4
Test Package : MOB 1 (Additional Tests: PrtCount) Contact: Simon Lambert
 slambert@matrec.ca

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.