



Machine Id
711026
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 32 (--- GAL)

RECOMMENDATION

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. 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		GFL0114906	GFL0055277	---
Sample Date		Client Info		26 Feb 2024	17 Oct 2022	---
Machine Age	hrs	Client Info		5986	2835	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	11	23	---
Chromium	ppm	ASTM D5185(m)	>10	4	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>5	2	<1	---
Lead	ppm	ASTM D5185(m)	>4	<1	<1	---
Copper	ppm	ASTM D5185(m)	>15	4	2	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

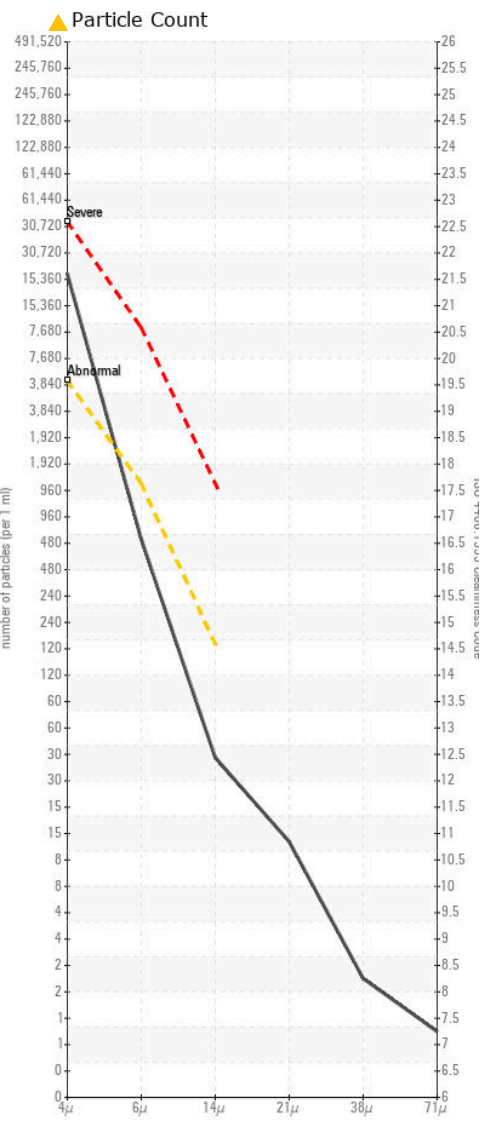
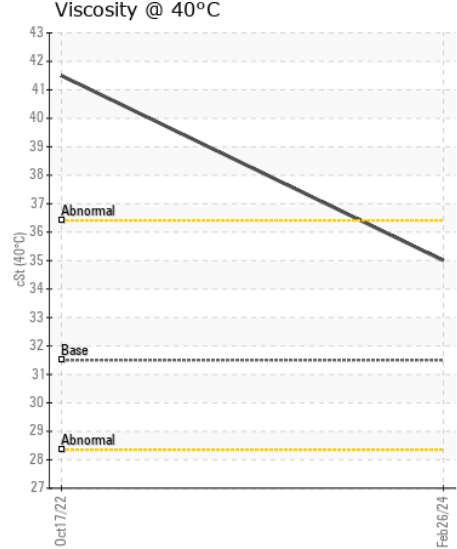
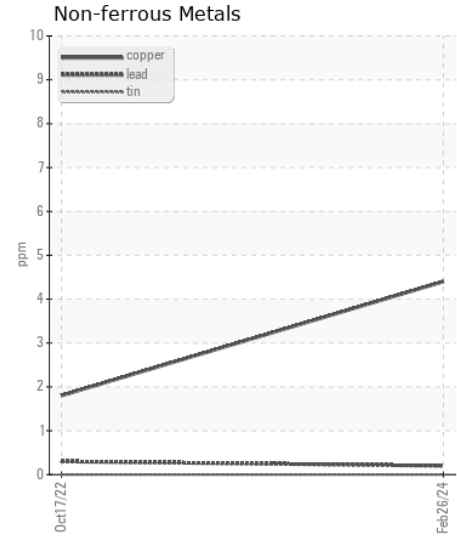
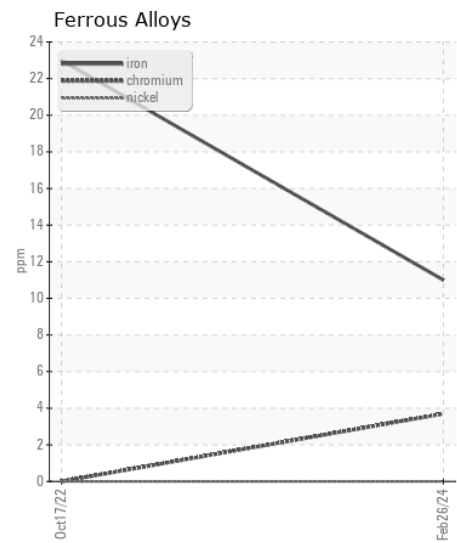
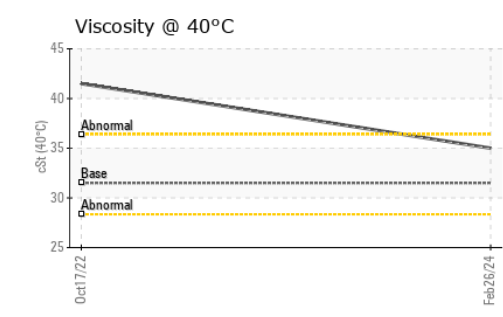
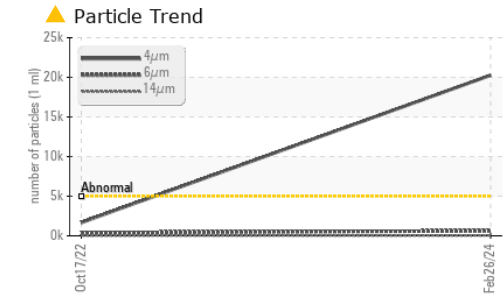
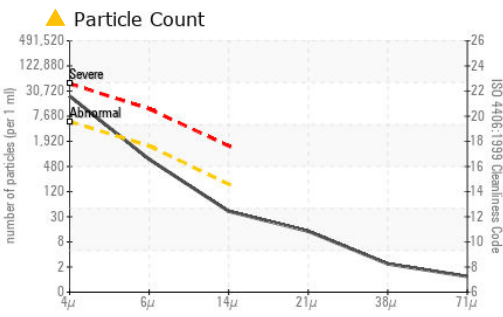
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	4	3	---
Potassium	ppm	ASTM D5185(m)	>20	2	3	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 20269	1672	---
Particles >6µm		ASTM D7647	>1300	628	397	---
Particles >14µm		ASTM D7647	>160	36	21	---
Particles >21µm		ASTM D7647	>40	12	5	---
Particles >38µm		ASTM D7647	>10	2	0	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/16/12	18/16/12	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		10	3	---
Boron	ppm	ASTM D5185(m)	0	<1	<1	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	0	---
Manganese	ppm	ASTM D5185(m)	0	0	<1	---
Magnesium	ppm	ASTM D5185(m)	0	20	<1	---
Calcium	ppm	ASTM D5185(m)	50	81	71	---
Phosphorus	ppm	ASTM D5185(m)	330	366	367	---
Zinc	ppm	ASTM D5185(m)	430	449	422	---
Sulfur	ppm	ASTM D5185(m)	760	916	773	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	35.0	41.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0114906
Lab Number : 02620599
Unique Number : 5737709
Test Package : MOB 1 (Additional Tests: PrtCount)

GFL Environmental - 780 - GMA - ICI - Solid Waste
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 Laval, QC
 CA H7P 4J3
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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.