



Machine Id
911027
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. 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. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

WEAR

Le taux de fer est anormal. Le taux de chrome est anormal. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

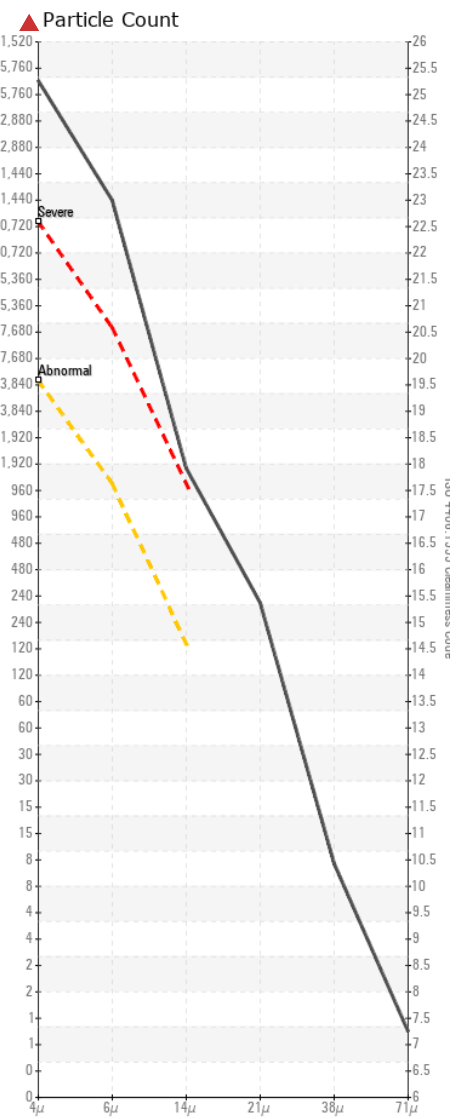
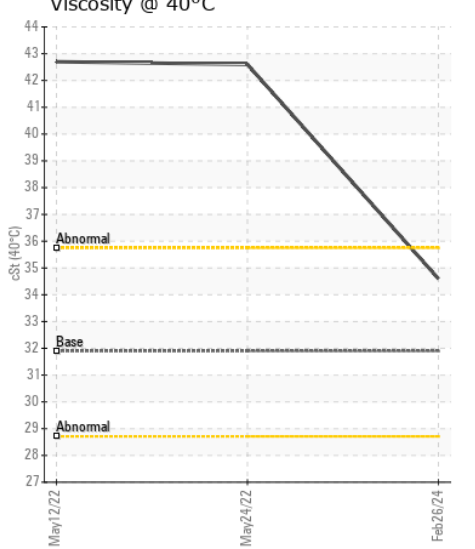
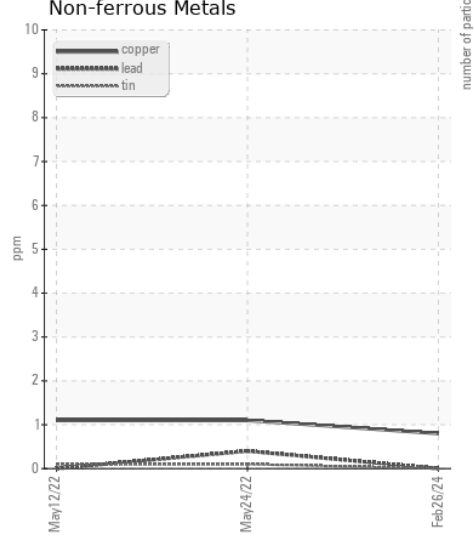
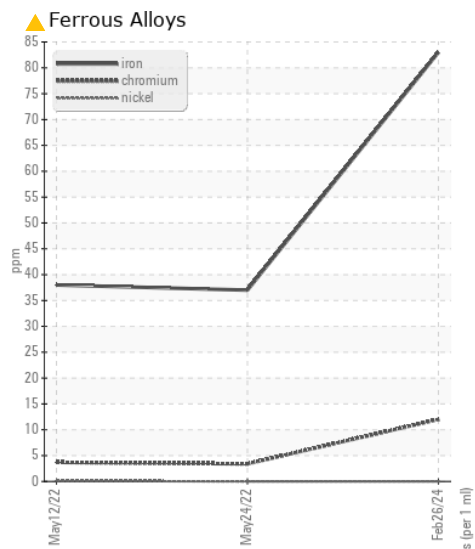
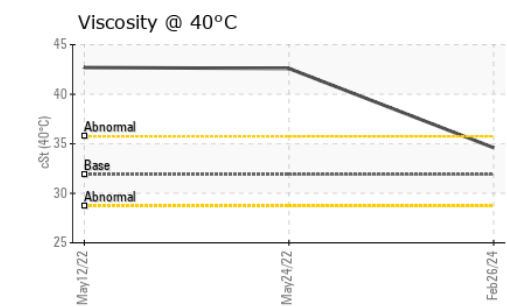
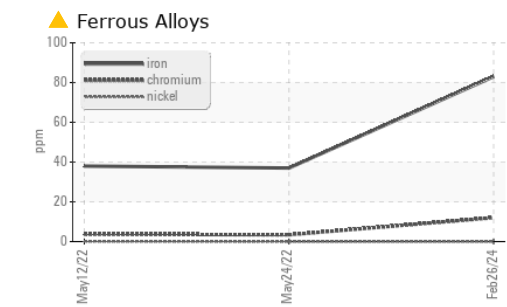
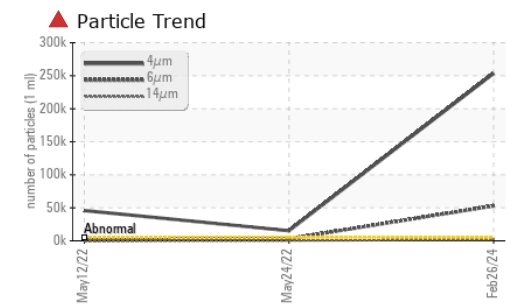
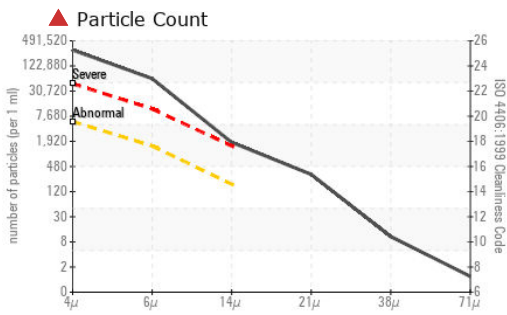
CONTAMINATION

Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l'huile.

FLUID CONDITION

L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107583	GFL0043197	GFL0043211
Sample Date		Client Info		26 Feb 2024	24 May 2022	12 May 2022
Machine Age	hrs	Client Info		129723	2237	2161
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		N/A	Not Changd	Changed
Sample Status				SEVERE	ABNORMAL	SEVERE
PQ		ASTM D8184*		4	---	---
Iron	ppm	ASTM D5185(m)	>50	▲ 83	37	38
Chromium	ppm	ASTM D5185(m)	>10	▲ 12	3	4
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	4	1	1
Lead	ppm	ASTM D5185(m)	>4	0	<1	0
Copper	ppm	ASTM D5185(m)	>15	<1	1	1
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
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	10	5	5
Potassium	ppm	ASTM D5185(m)	>20	3	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 253573	▲ 15269	▲ 45871
Particles >6µm		ASTM D7647	>1300	▲ 52869	▲ 2976	844
Particles >14µm		ASTM D7647	>160	▲ 1589	● 292	44
Particles >21µm		ASTM D7647	>40	▲ 273	● 72	10
Particles >38µm		ASTM D7647	>10	9	1	1
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 25/23/18	▲ 21/19/15	▲ 23/17/13
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)		28	16	21
Boron	ppm	ASTM D5185(m)	0	0	<1	<1
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	3	2	2
Calcium	ppm	ASTM D5185(m)	50	73	80	85
Phosphorus	ppm	ASTM D5185(m)	330	362	400	● 423
Zinc	ppm	ASTM D5185(m)	430	422	465	● 499
Sulfur	ppm	ASTM D5185(m)	760	878	977	● 993
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	34.6	▲ 42.6	42.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107583
Lab Number : 02619727
Unique Number : 5736837
Test Package : MOB 1 (Additional Tests: PQ, PrtCount)

GFL Environmental - 747 - GMA - Solid Waste
 4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@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.