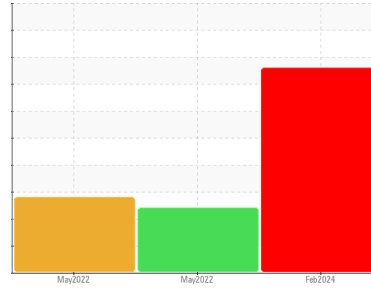




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



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

DIAGNOSIS

▲ 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.

SAMPLE INFORMATION

method	limit/base	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	129723	2237	2161
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	Not Changd	Not Changd
Sample Status		SEVERE	ABNORMAL	SEVERE

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
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
Antimony	ppm	ASTM D5185(m)	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

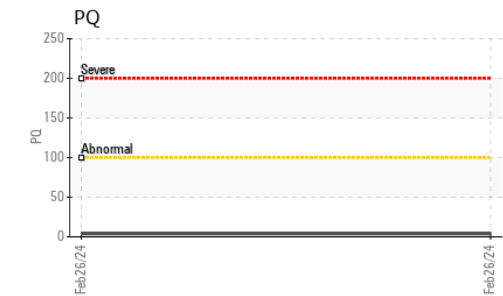
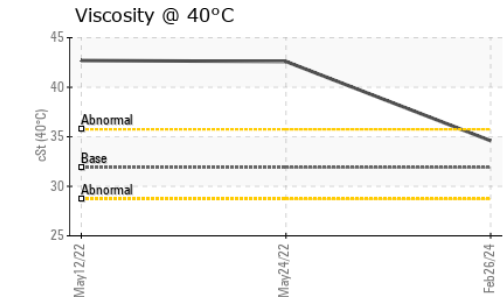
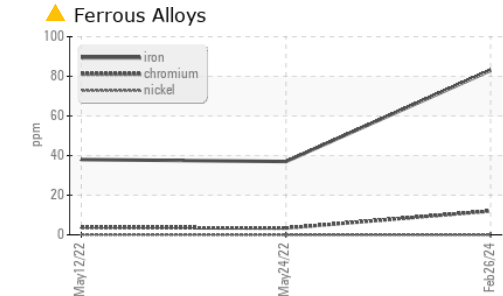
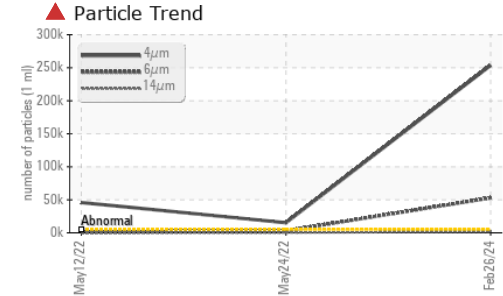
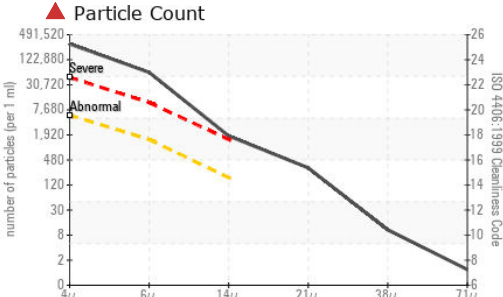
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 0	0	<1	<1
Barium	ppm	ASTM D5185(m) 0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m) 1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m) 0	3	2	2
Calcium	ppm	ASTM D5185(m) 50	73	80	85
Phosphorus	ppm	ASTM D5185(m) 330	362	400	● 423
Zinc	ppm	ASTM D5185(m) 430	422	465	● 499
Sulfur	ppm	ASTM D5185(m) 760	878	977	● 993
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	10	5	5
Sodium	ppm	ASTM D5185(m)	28	16	21
Potassium	ppm	ASTM D5185(m) >20	3	3	2



OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
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

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	34.6	▲ 42.6	42.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



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.