



OIL ANALYSIS REPORT

Sample Rating Trend

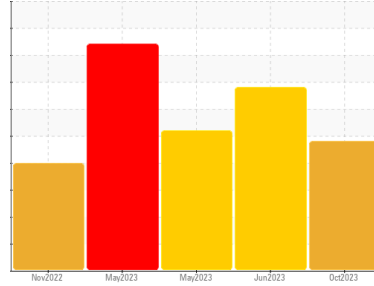
ISO



Machine Id
7237

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)



DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. 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. Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

Le taux d'aluminium est anormal.

Contamination

Il y a une grande quantité de limon (particules de 4 à 14 microns) 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	GFL0097065	GFL0084431	GFL0062127
Sample Date	Client Info	11 Oct 2023	16 Jun 2023	29 May 2023
Machine Age	hrs	0	268664	267115
Oil Age	hrs	1200	600	0
Oil Changed	Client Info	Not Chngd	N/A	N/A
Sample Status		SEVERE	SEVERE	SEVERE

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >50	24	22	22
Chromium	ppm	ASTM D5185(m) >10	7	7	8
Nickel	ppm	ASTM D5185(m) >4	<1	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >5	8	6	6
Lead	ppm	ASTM D5185(m) >4	<1	<1	<1
Copper	ppm	ASTM D5185(m) >15	8	8	8
Tin	ppm	ASTM D5185(m) >4	<1	<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	<1	0	<1
Barium	ppm	ASTM D5185(m) 0	<1	0	0
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	0
Manganese	ppm	ASTM D5185(m) 1	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 0	5	5	6
Calcium	ppm	ASTM D5185(m) 50	57	56	60
Phosphorus	ppm	ASTM D5185(m) 330	324	341	366
Zinc	ppm	ASTM D5185(m) 430	410	414	413
Sulfur	ppm	ASTM D5185(m) 760	753	747	798
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

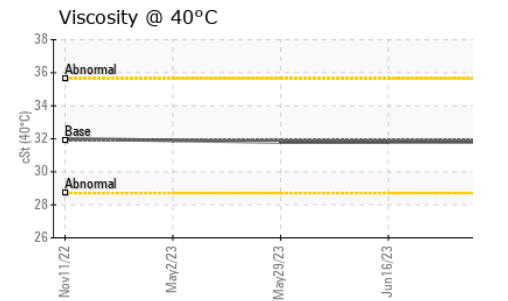
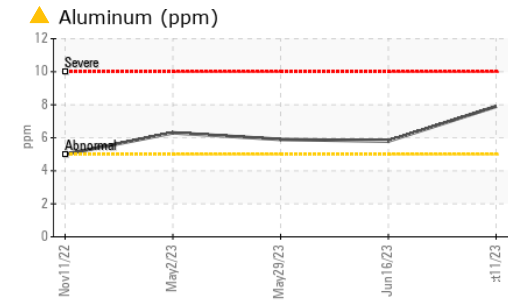
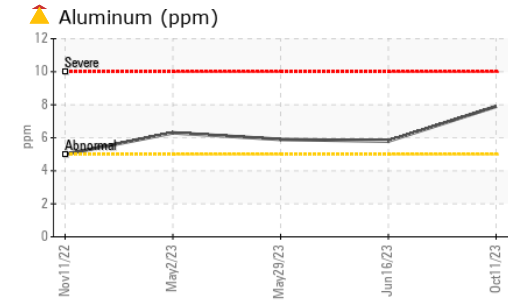
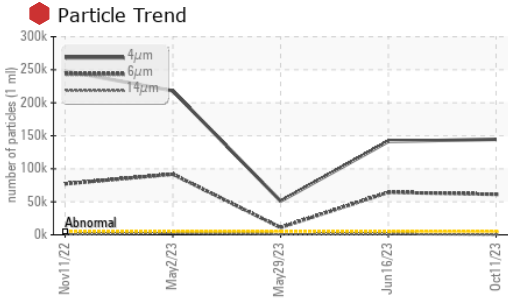
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	2	2	2
Sodium	ppm	ASTM D5185(m)	2	2	2
Potassium	ppm	ASTM D5185(m) >20	<1	<1	<1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	144540	141562	51091
Particles >6µm	ASTM D7647 >1300	61260	64319	11004
Particles >14µm	ASTM D7647 >160	268	1119	777
Particles >21µm	ASTM D7647 >40	15	191	190
Particles >38µm	ASTM D7647 >10	1	4	4
Particles >71µm	ASTM D7647 >3	1	0	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	24/23/15	24/23/17	23/21/17



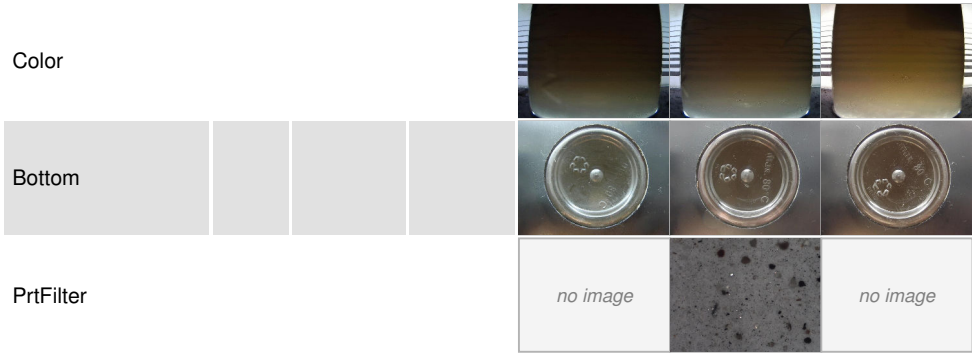
OIL ANALYSIS REPORT



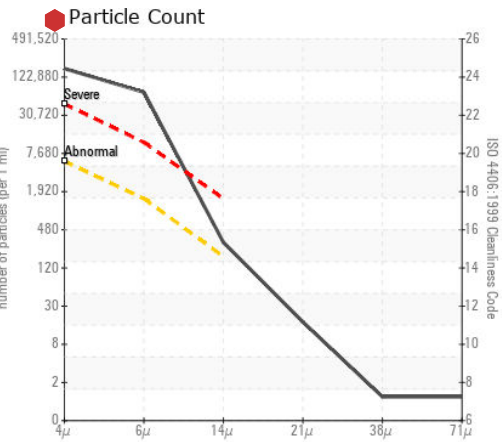
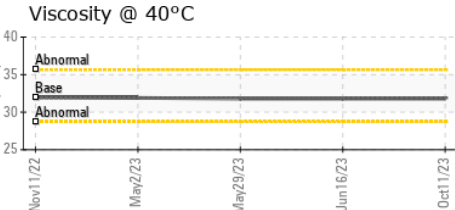
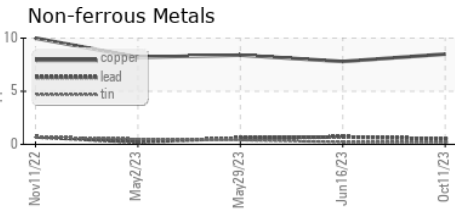
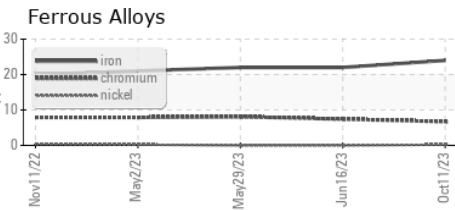
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	▲ LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	▲ LIGHT
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	31.8	31.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0097065 **Received** : 26 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : 02592152 **Diagnosed** : 30 Oct 2023 CA H7P 4J3
Unique Number : 5669231 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PRTCOUNT)

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.

Contact: Pieces Laval
 pieces.laval@gflenv.com
 T: (450)687-3838
 F: