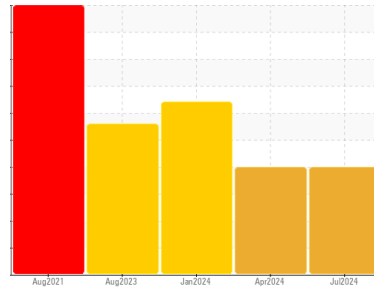




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
901087
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filtres 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

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

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0119825	GFL0114883	GFL0103757
Sample Date	Client Info	03 Jul 2024	15 Apr 2024	22 Jan 2024
Machine Age	hrs	12773	12170	11620
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		SEVERE	SEVERE	SEVERE

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >50	25	19	40
Chromium	ppm ASTM D5185(m) >10	4	2	5
Nickel	ppm ASTM D5185(m) >4	<1	0	<1
Titanium	ppm ASTM D5185(m)	<1	0	0
Silver	ppm ASTM D5185(m)	0	0	0
Aluminum	ppm ASTM D5185(m) >5	2	1	2
Lead	ppm ASTM D5185(m) >4	0	0	0
Copper	ppm ASTM D5185(m) >15	<1	<1	<1
Tin	ppm ASTM D5185(m) >4	0	0	0
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	0
Barium	ppm ASTM D5185(m) 0	0	0	0
Molybdenum	ppm ASTM D5185(m) 0	0	0	0
Manganese	ppm ASTM D5185(m) 1	<1	0	0
Magnesium	ppm ASTM D5185(m) 0	4	4	2
Calcium	ppm ASTM D5185(m) 50	59	56	52
Phosphorus	ppm ASTM D5185(m) 330	333	316	322
Zinc	ppm ASTM D5185(m) 430	422	411	396
Sulfur	ppm ASTM D5185(m) 760	747	719	770
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

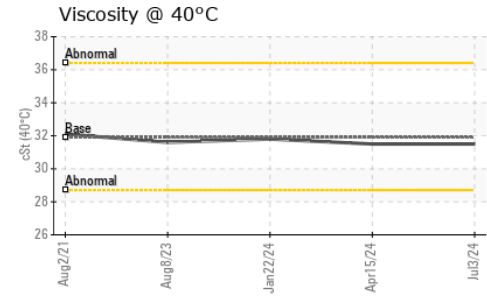
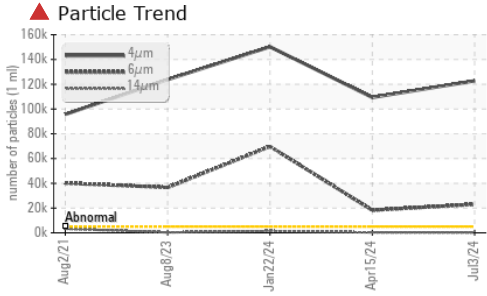
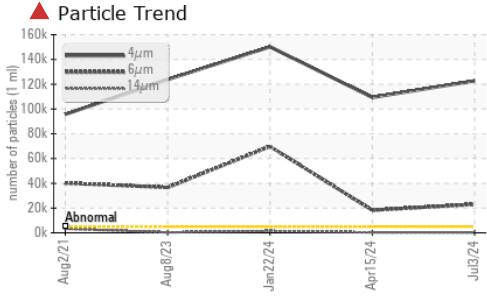
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	5	2	5
Sodium	ppm ASTM D5185(m)	10	8	14
Potassium	ppm ASTM D5185(m) >20	1	<1	2

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 122759	▲ 109324	▲ 150260
Particles >6µm	ASTM D7647 >1300	▲ 23013	▲ 18270	▲ 69785
Particles >14µm	ASTM D7647 >160	● 204	● 282	▲ 1480
Particles >21µm	ASTM D7647 >40	32	42	▲ 160
Particles >38µm	ASTM D7647 >10	2	1	● 20
Particles >71µm	ASTM D7647 >3	1	0	1
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 24/22/15	▲ 24/21/15	▲ 24/23/18



OIL ANALYSIS REPORT

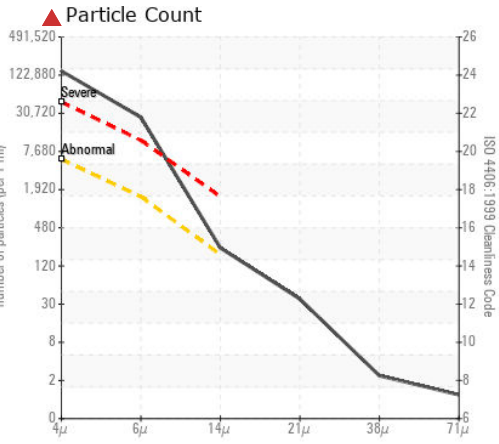
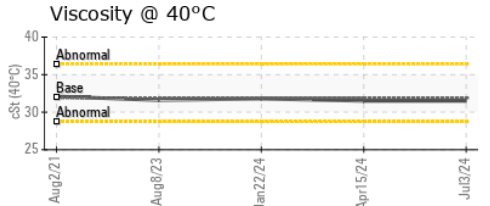
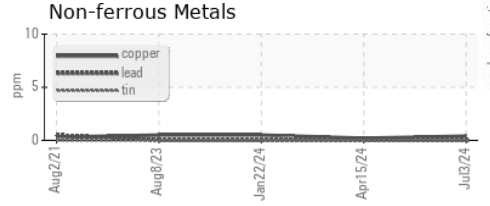
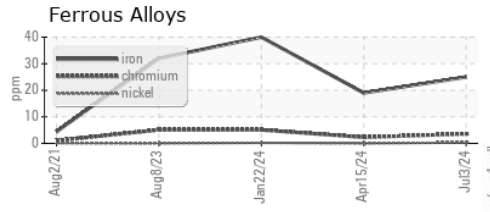


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	VLITE
Sand/Dirt	scalar	Visual*	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
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	31.5	31.5	31.8

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color						
Bottom						
PrtFilter				no image	no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 780 - GMA - ICI - Solid Waste**
Sample No. : GFL0119825 **Received** : 10 Jul 2024 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : 02647042 **Tested** : 11 Jul 2024 CA H7P 4J3
Unique Number : 5812594 **Diagnosed** : 11 Jul 2024 - Kevin Marson Contact: Pieces Laval
Test Package : MOB 1 (Additional Tests: Bottom, PrtCount) pieces.laval@gflenv.com
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. T: (450)687-3838
F: