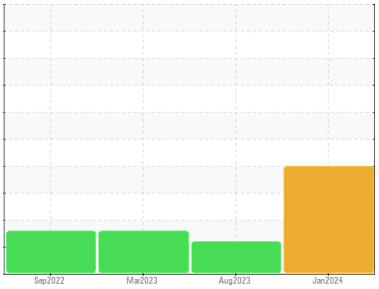
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
811039
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- LTR)

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

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

Contamination

Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente 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		**GFL0107571**	GFL0087629	GFL0072793
Sample Date		Client Info		**29 Jan 2024**	15 Aug 2023	09 Mar 2023
Machine Age	kms	Client Info		**105928**	4509	3470
Oil Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**SEVERE**	ABNORMAL	ABNORMAL

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

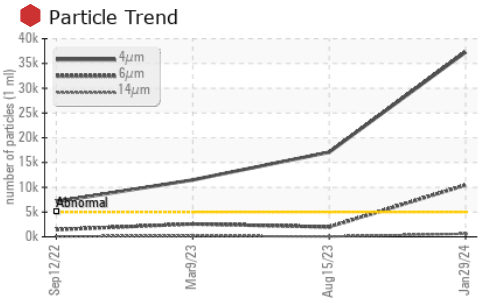
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>40	**16**	16	19
Chromium	ppm	ASTM D5185(m)	>5	**0**	<1	0
Nickel	ppm	ASTM D5185(m)	>2	**0**	0	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)		**1**	0	0
Aluminum	ppm	ASTM D5185(m)	>8	**<1**	<1	<1
Lead	ppm	ASTM D5185(m)	>5	**0**	0	0
Copper	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Tin	ppm	ASTM D5185(m)	>2	**0**	0	0
Antimony	ppm	ASTM D5185(m)	>2	**0**	0	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

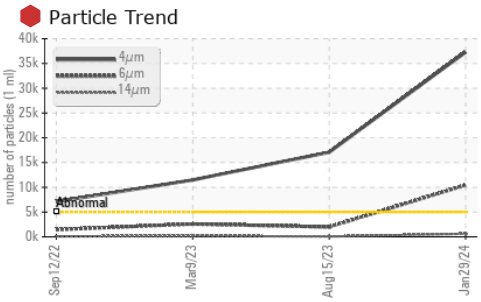
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	**<1**	<1	<1
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	0	**0**	<1	<1
Manganese	ppm	ASTM D5185(m)	1	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	0	**7**	13	10
Calcium	ppm	ASTM D5185(m)	50	**63**	67	67
Phosphorus	ppm	ASTM D5185(m)	330	**339**	371	366
Zinc	ppm	ASTM D5185(m)	430	**434**	442	431
Sulfur	ppm	ASTM D5185(m)	760	**808**	793	800
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

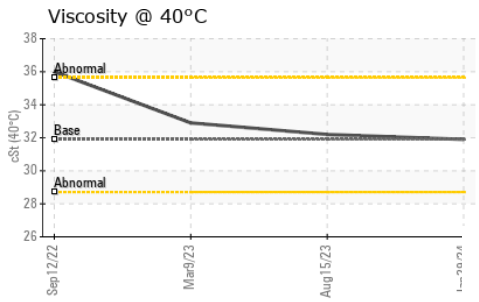
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	**2**	2	2
Sodium	ppm	ASTM D5185(m)		**2**	2	4
Potassium	ppm	ASTM D5185(m)	>20	**2**	2	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **37293**	▲ 17085	▲ 11483
Particles >6µm		ASTM D7647	>1300	⬢ **10444**	▲ 1995	▲ 2586
Particles >14µm		ASTM D7647	>160	▲ **616**	53	▲ 189
Particles >21µm		ASTM D7647	>40	▲ **118**	12	35
Particles >38µm		ASTM D7647	>10	**4**	1	1
Particles >71µm		ASTM D7647	>3	**0**	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	⬢ **22/21/16**	▲ 21/18/13	▲ 21/19/15

OIL ANALYSIS REPORT



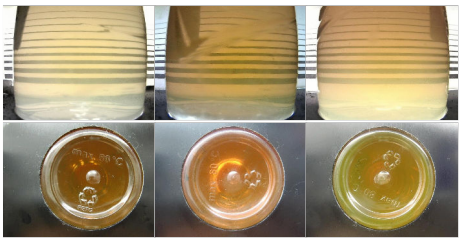




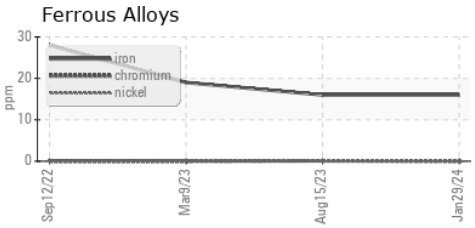
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	VLITE	NONE
Sand/Dirt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

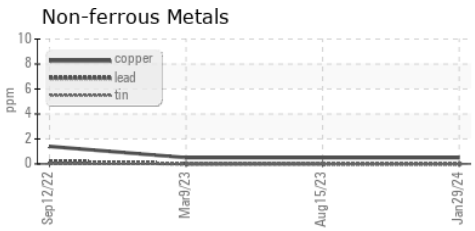
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	**31.9**	32.2	32.9

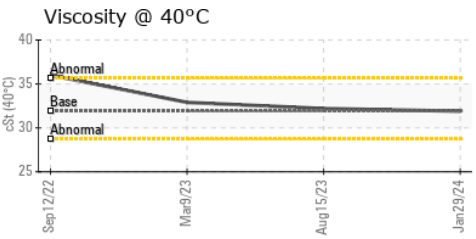
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

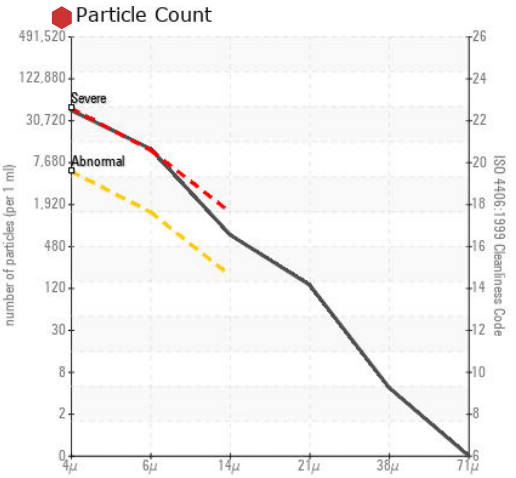


GRAPHS









CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107571
Lab Number : 02613447
Unique Number : 5722542
Test Package : MOB 1 (Additional Tests: PrtCount)

Received : 05 Feb 2024
Tested : 06 Feb 2024
Diagnosed : 06 Feb 2024 - Wes Davis

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

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.