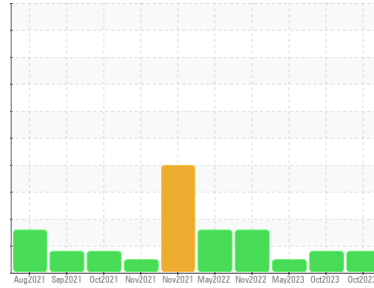




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
9215
Component
Transmission (Auto)
Fluid
PETRO CANADA DURADRIIVE HD SYNTHETIC ATF (--- GAL)

DIAGNOSIS

▲ Recommendation

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

▲ Wear

Usure des engrenages. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

Contamination

Il n'y a aucun indice de contamination dans le fluide.

Fluid Condition

le fluide 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		GFL0096377	GFL0096432	GFL0079497
Sample Date	Client Info		26 Oct 2023	20 Oct 2023	11 May 2023
Machine Age	kms	Client Info	457316	455722	419015
Oil Age	kms	Client Info	0	0	0
Oil Changed	Client Info		Changed	N/A	Not Changd
Sample Status			ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>105	3	14	---
Iron	ppm	ASTM D5185(m)	>230	▲ 263	▲ 268
Chromium	ppm	ASTM D5185(m)	>2	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1
Silver	ppm	ASTM D5185(m)	>5	<1	0
Aluminum	ppm	ASTM D5185(m)	>65	39	41
Lead	ppm	ASTM D5185(m)	>55	44	46
Copper	ppm	ASTM D5185(m)	>85	37	39
Tin	ppm	ASTM D5185(m)	>5	3	3
Antimony	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		103	102
Barium	ppm	ASTM D5185(m)		<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0
Manganese	ppm	ASTM D5185(m)		1	1
Magnesium	ppm	ASTM D5185(m)		2	1
Calcium	ppm	ASTM D5185(m)		157	146
Phosphorus	ppm	ASTM D5185(m)		298	288
Zinc	ppm	ASTM D5185(m)		8	8
Sulfur	ppm	ASTM D5185(m)		1952	1857
Lithium	ppm	ASTM D5185(m)		<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	13	14
Sodium	ppm	ASTM D5185(m)		9	8
Potassium	ppm	ASTM D5185(m)	>20	2	2

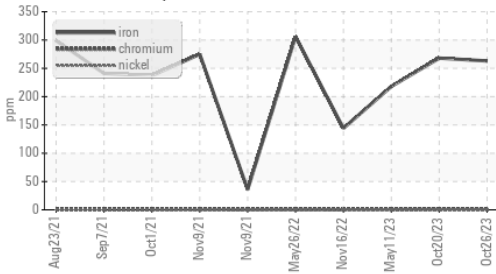
VISUAL

	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

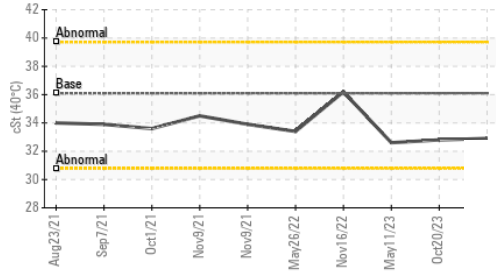


OIL ANALYSIS REPORT

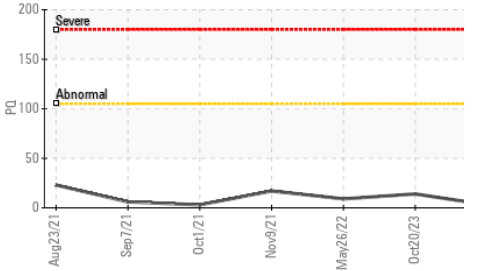
▲ Ferrous Alloys



Viscosity @ 40°C



PQ



FLUID PROPERTIES

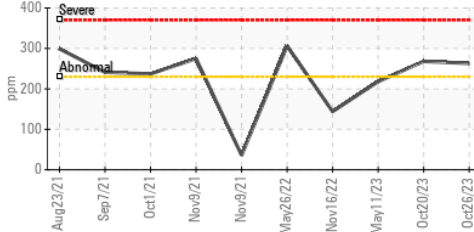
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m) 36.1	32.9	32.8	32.6

SAMPLE IMAGES

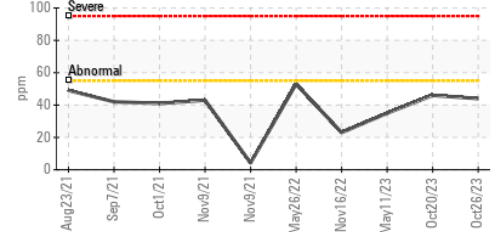
method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS

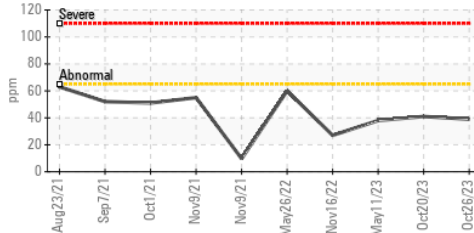
▲ Iron (ppm)



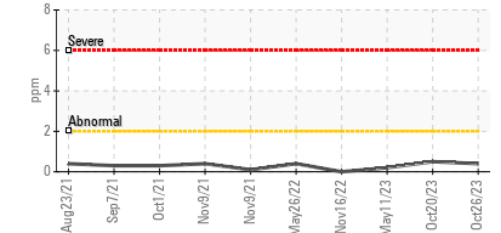
Lead (ppm)



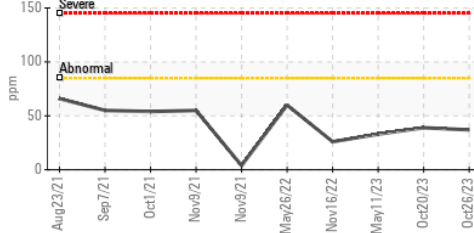
Aluminum (ppm)



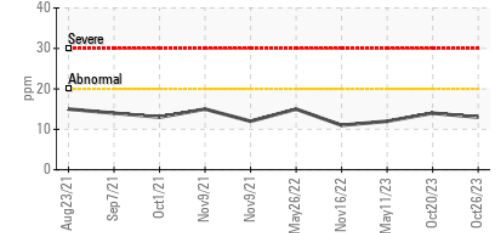
Chromium (ppm)



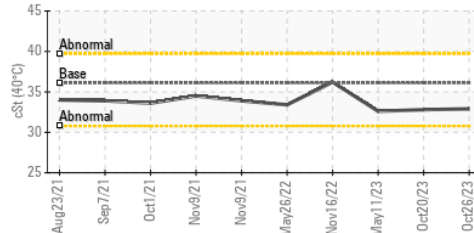
Copper (ppm)



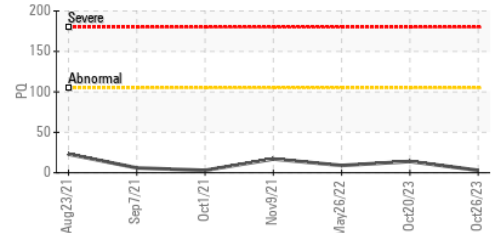
Silicon (ppm)



Viscosity @ 40°C



PQ



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0096377 **Received** : 31 Oct 2023
Lab Number : 02592986 **Diagnosed** : 01 Nov 2023
Unique Number : 5670065 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

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.

4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@matrec.ca

T:
F: