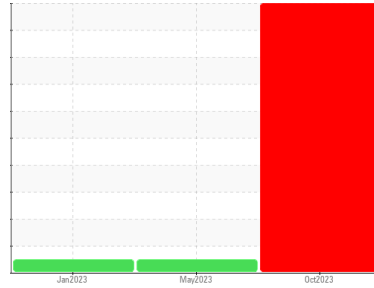




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
713068

Component
Transmission (Auto)

Fluid
PETRO CANADA DURADRIVE HD SYNTHETIC ATF (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir le fluide. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

Usure des engrenages.

Contamination

Concentration élevée de saleté dans le fluide. Une grande quantité de saleté a provoqué une usure abrasive du composant.

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		GFL0088869	GFL0073413	GFL0062062
Sample Date	Client Info		27 Oct 2023	16 May 2023	12 Jan 2023
Machine Age	kms	Client Info	0	18422	259
Oil Age	kms	Client Info	0	0	250
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>50	72	---	---
Iron	ppm	ASTM D5185(m)	>160 315	46	30
Chromium	ppm	ASTM D5185(m)	>5 <1	0	0
Nickel	ppm	ASTM D5185(m)	>5 <1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	>5 <1	0	0
Aluminum	ppm	ASTM D5185(m)	>50 50	19	7
Lead	ppm	ASTM D5185(m)	>50 21	13	3
Copper	ppm	ASTM D5185(m)	>225 66	13	5
Tin	ppm	ASTM D5185(m)	>10 5	2	1
Antimony	ppm	ASTM D5185(m)	0	<1	<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)	78	92	103
Barium	ppm	ASTM D5185(m)	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1
Manganese	ppm	ASTM D5185(m)	2	1	1
Magnesium	ppm	ASTM D5185(m)	1	<1	<1
Calcium	ppm	ASTM D5185(m)	135	85	78
Phosphorus	ppm	ASTM D5185(m)	245	275	281
Zinc	ppm	ASTM D5185(m)	7	5	4
Sulfur	ppm	ASTM D5185(m)	1638	1212	1299
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

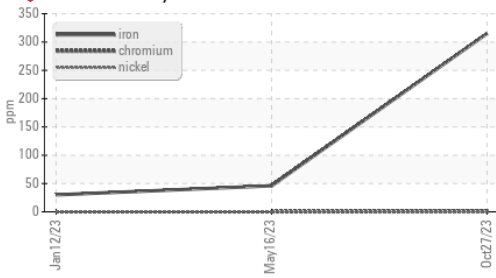
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20 55	5	4
Sodium	ppm	ASTM D5185(m)	6	4	4
Potassium	ppm	ASTM D5185(m)	>20 <1	4	4

VISUAL

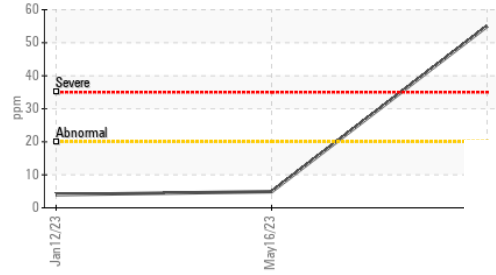
	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar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

OIL ANALYSIS REPORT

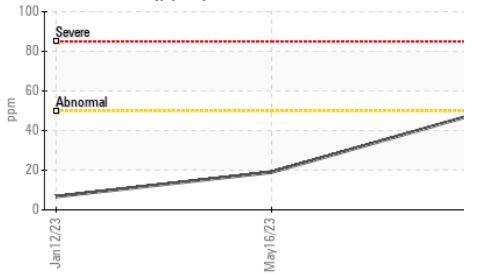
Ferrous Alloys



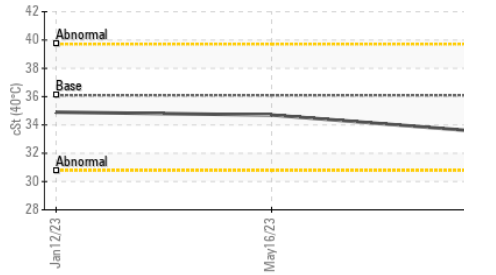
Silicon (ppm)



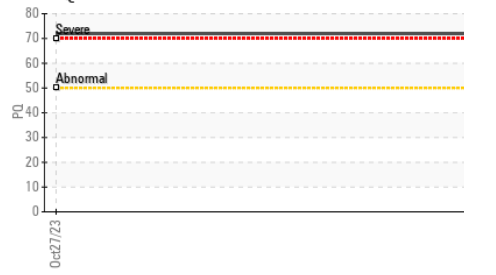
Aluminum (ppm)



Viscosity @ 40°C

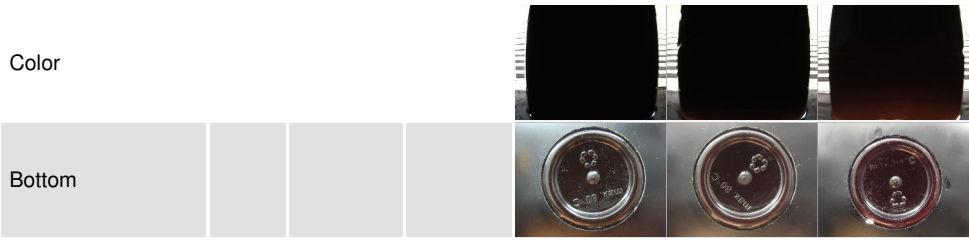


PQ



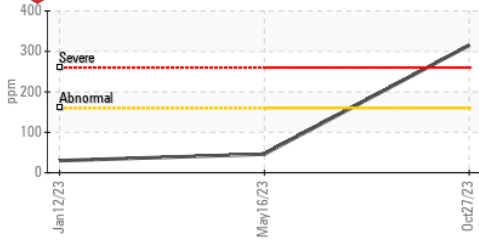
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.5	34.7	34.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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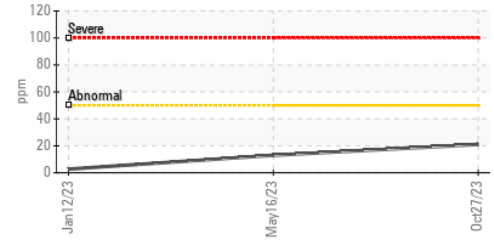


GRAPHS

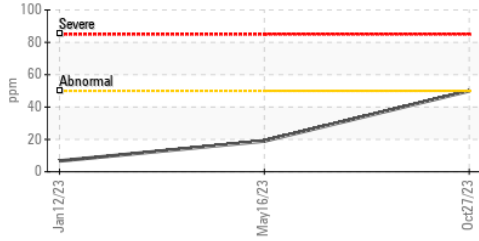
Iron (ppm)



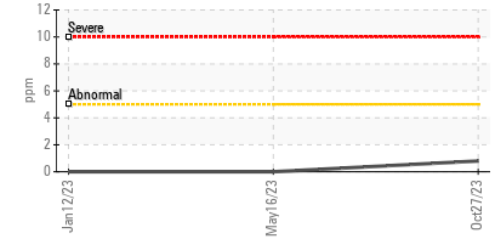
Lead (ppm)



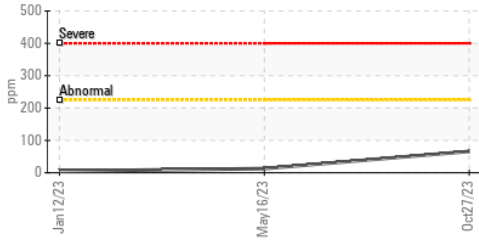
Aluminum (ppm)



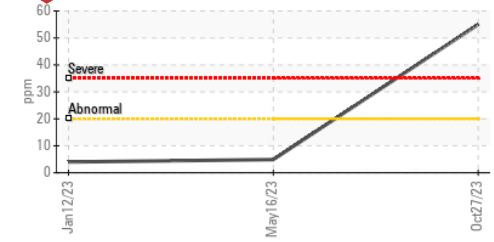
Chromium (ppm)



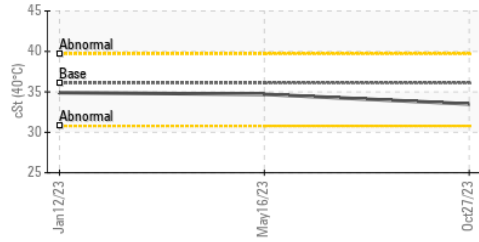
Copper (ppm)



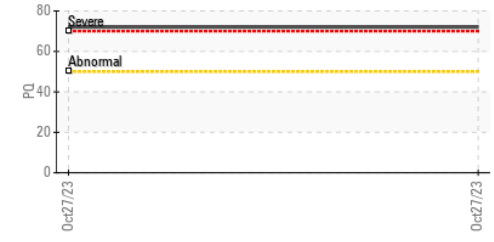
Silicon (ppm)



Viscosity @ 40°C



PQ



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088869 **Received** : 03 Nov 2023
Lab Number : 02593958 **Diagnosed** : 03 Nov 2023
Unique Number : 5671037 **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.

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