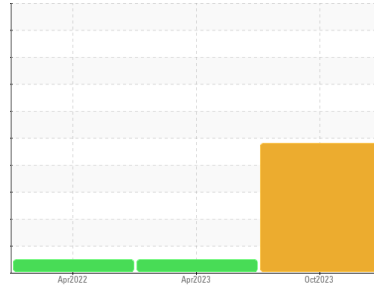


Machine Id
801225

Component
Front Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirm the source of the lubricant being utilized for top-up/fill. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

Usure des engrenages. Le très haut indice ferreux (PQ) indique la présence d'une usure importante.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. 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		PC0078568	PC0035169	GFL0047191
Sample Date	Client Info		05 Oct 2023	17 Apr 2023	29 Apr 2022
Machine Age	hrs	Client Info	20832	20024	18498
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		2435	---	310
Iron	ppm	ASTM D5185(m) >500	640	392	755
Chromium	ppm	ASTM D5185(m) >10	<1	<1	1
Nickel	ppm	ASTM D5185(m) >10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	<1	<1
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >25	1	1	2
Lead	ppm	ASTM D5185(m) >25	<1	0	<1
Copper	ppm	ASTM D5185(m) >100	4	3	5
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m) >5	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	<1
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) 328	26	36	217
Barium	ppm	ASTM D5185(m) 1	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1
Manganese	ppm	ASTM D5185(m)	4	3	9
Magnesium	ppm	ASTM D5185(m) 1	2	2	3
Calcium	ppm	ASTM D5185(m) 7	13	15	69
Phosphorus	ppm	ASTM D5185(m) 1145	696	808	1406
Zinc	ppm	ASTM D5185(m) 3	7	8	9
Sulfur	ppm	ASTM D5185(m) 17909	16559	17882	23248
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

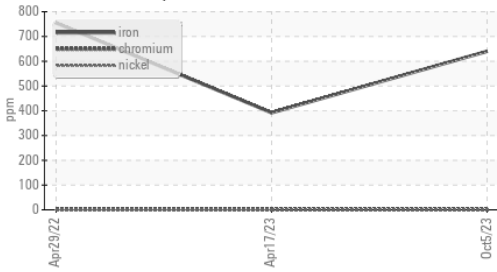
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	26	20	48
Sodium	ppm	ASTM D5185(m)	1	2	5
Potassium	ppm	ASTM D5185(m) >20	<1	2	5

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	LIGHT	LIGHT	VLITE
Yellow Metal	scalar	Visual* NONE	NONE	NONE	NONE
Precipitate	scalar	Visual* NONE	NONE	NONE	NONE
Silt	scalar	Visual* NONE	NONE	NONE	VLITE
Debris	scalar	Visual* NONE	NONE	NONE	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* >.2	NEG	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

OIL ANALYSIS REPORT

▲ Ferrous Alloys



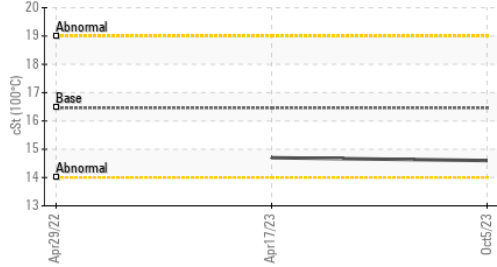
FLUID PROPERTIES

Property	Method	Limit/Base	Current	History1	History2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	93.8	95.0
Visc @ 100°C	cSt	ASTM D7279(m)	16.46	14.7	---
Viscosity Index (VI)	Scale	ASTM D2270*	179	163	---

SAMPLE IMAGES

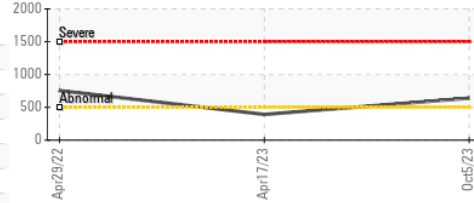
Property	Method	Limit/Base	Current	History1	History2
Color					
Bottom					
PrtFilter				no image	no image

● Viscosity @ 100°C

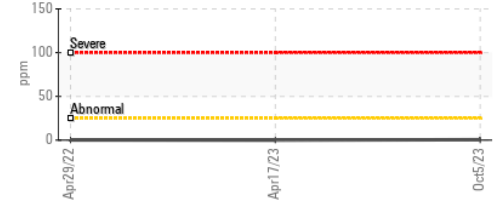


GRAPHS

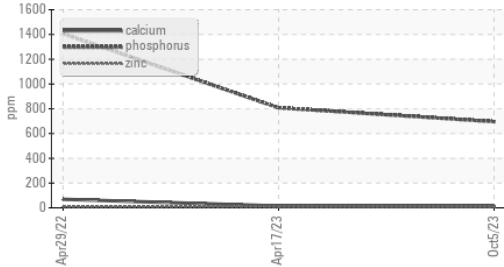
▲ Iron (ppm)



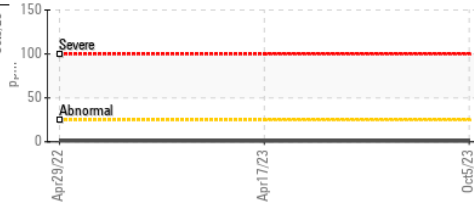
● Lead (ppm)



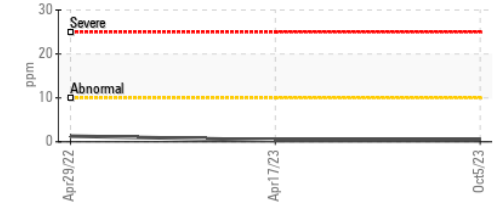
Additives



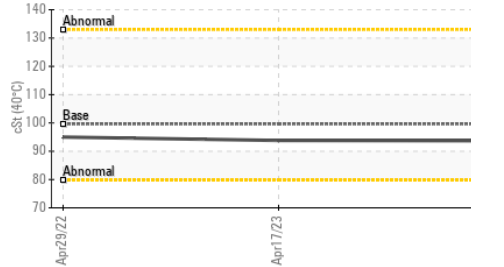
Aluminum (ppm)



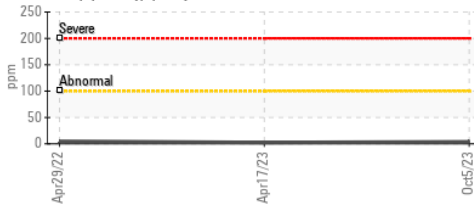
Chromium (ppm)



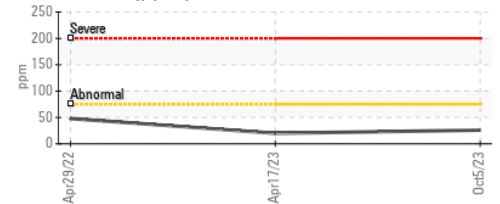
● Viscosity @ 40°C



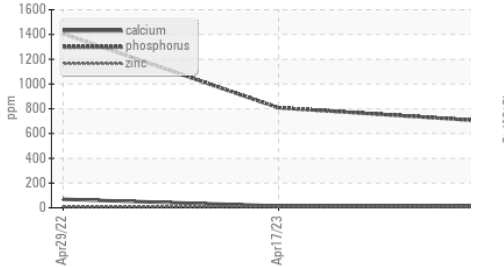
Copper (ppm)



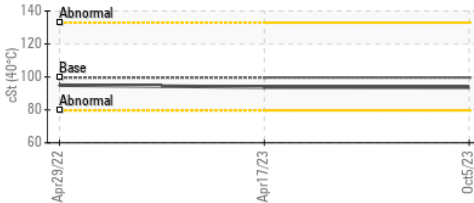
Silicon (ppm)



Additives



● Viscosity @ 40°C



◆ PQ



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling
Sample No. : PC0078568 **Received** : 10 Oct 2023 6205 Boul. Wilfrid Hamel,
Lab Number : 02588021 **Diagnosed** : 12 Oct 2023 Quebec City, QC
Unique Number : 5657087 **Diagnostician** : Kevin Marson CA G2E 5G8
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, KV100, PQ, VI) Contact: Manon Cote
 mcote@matrec.ca

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:
F: