



Machine Id
811032

Component
1 Differential

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

RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. 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 de rondelle de butée et (ou) de palier et (ou) de douille.

CONTAMINATION

Concentration modérée de saleté dans l'huile. Une grande quantité de saleté a provoqué une usure abrasive du composant.

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.

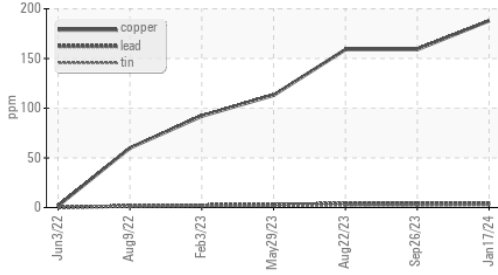
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0110446	WC	GFL0089664
Sample Date		Client Info		17 Jan 2024	26 Sep 2023	22 Aug 2023
Machine Age	hrs	Client Info		6521	6031	5730
Oil Age	hrs	Client Info		6521	0	5157
Filter Age	hrs	Client Info		6521	0	5157
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185(m)	>500	320	256	231
Chromium	ppm	ASTM D5185(m)	>10	3	2	2
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	5	4	3
Lead	ppm	ASTM D5185(m)	>25	4	4	4
Copper	ppm	ASTM D5185(m)	>100	▲ 188	▲ 159	▲ 159
Tin	ppm	ASTM D5185(m)	>10	3	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	LIGHT	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

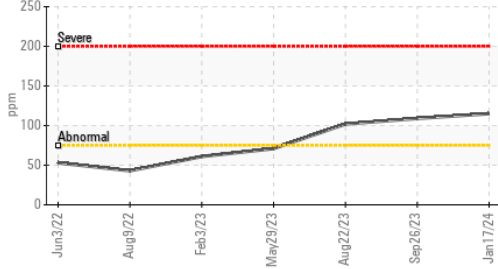
Silicon	ppm	ASTM D5185(m)	>75	▲ 115	▲ 109	▲ 102
Potassium	ppm	ASTM D5185(m)	>20	4	4	3
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	---	NEG

Sodium	ppm	ASTM D5185(m)		12	12	11
Boron	ppm	ASTM D5185(m)	328	192	146	203
Barium	ppm	ASTM D5185(m)	1	6	6	4
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		25	22	22
Magnesium	ppm	ASTM D5185(m)	1	3	3	3
Calcium	ppm	ASTM D5185(m)	7	11	11	10
Phosphorus	ppm	ASTM D5185(m)	1145	1386	1340	1475
Zinc	ppm	ASTM D5185(m)	3	25	25	26
Sulfur	ppm	ASTM D5185(m)	17909	22522	22083	22731
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	85.3	---	85.6

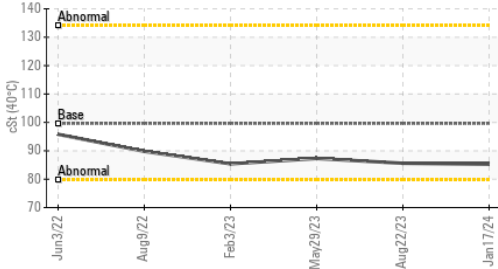
▲ Non-ferrous Metals



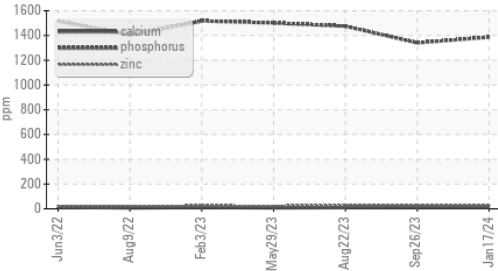
▲ Silicon (ppm)



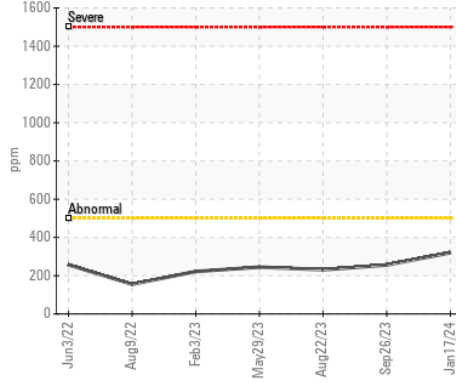
Viscosity @ 40°C



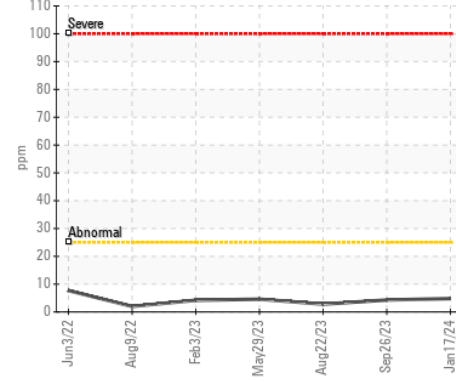
Additives



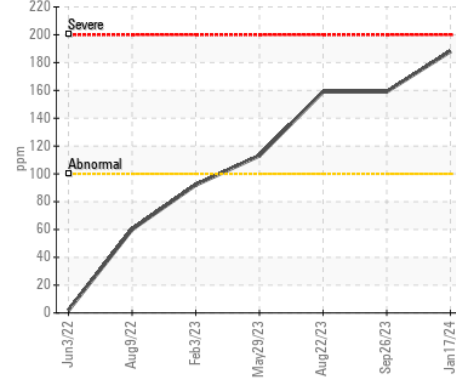
Iron (ppm)



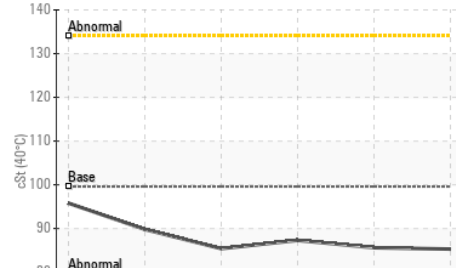
Aluminum (ppm)



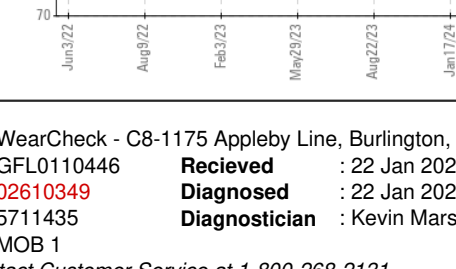
▲ Copper (ppm)



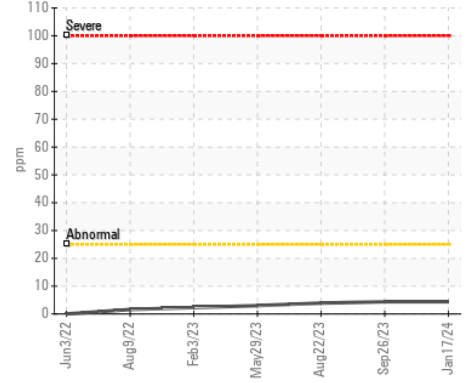
Viscosity @ 40°C



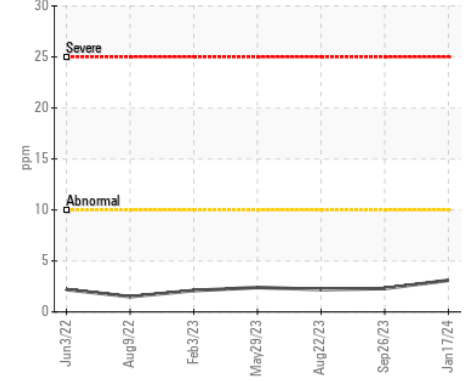
Additives



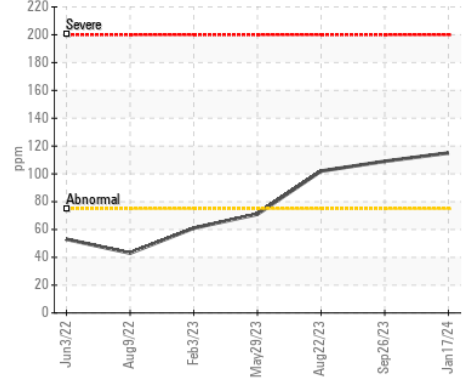
Lead (ppm)



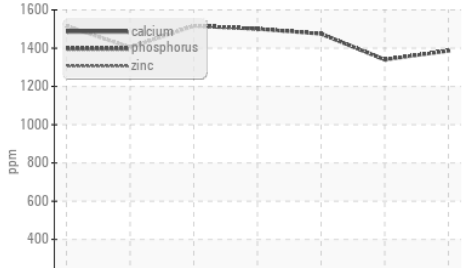
Chromium (ppm)



▲ Silicon (ppm)



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste
Sample No. : GFL0110446 **Received** : 22 Jan 2024
Lab Number : 02610349 **Diagnosed** : 22 Jan 2024
Unique Number : 5711435 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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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