



OIL ANALYSIS REPORT

Sample Rating Trend

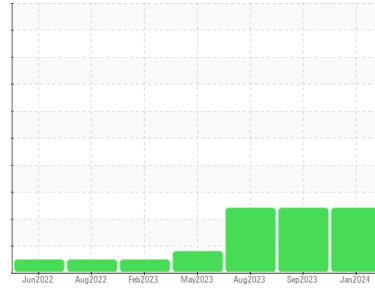
DIRT



Machine Id
811032

Component
1 Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- 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 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.

SAMPLE INFORMATION

	method	limit/base	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
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
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
Antimony	ppm	ASTM D5185(m)	>5	<1	<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

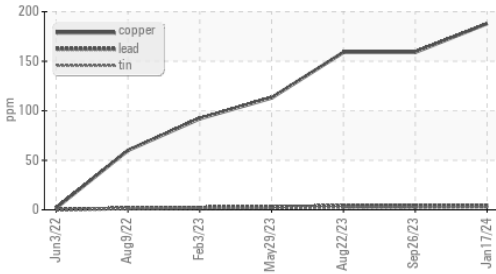
ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	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
Lithium	ppm	ASTM D5185(m)		2	1	2

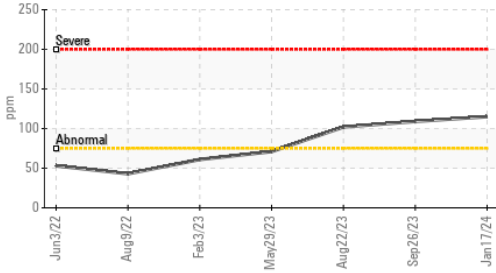
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	▲ 115	▲ 109	▲ 102
Sodium	ppm	ASTM D5185(m)		12	12	11
Potassium	ppm	ASTM D5185(m)	>20	4	4	3

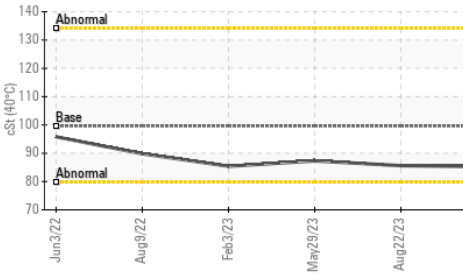
▲ Non-ferrous Metals



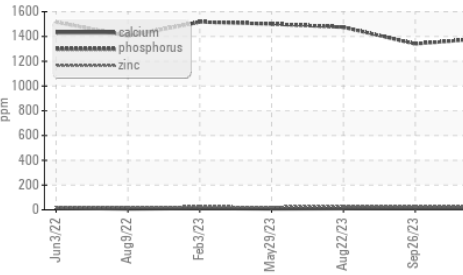
▲ Silicon (ppm)



Viscosity @ 40°C



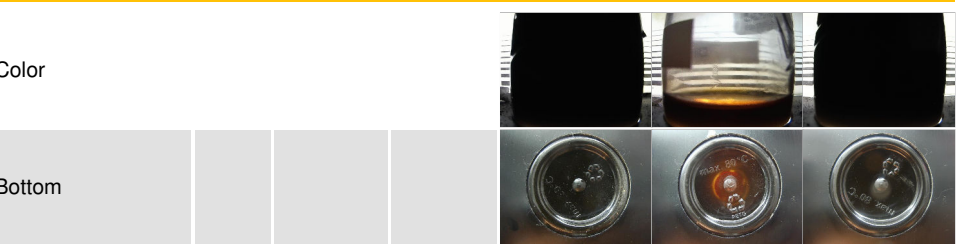
Additives



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	LIGHT
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*	>.2	NEG	---
Free Water	scalar	Visual*		NEG	---

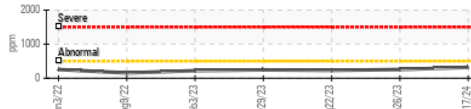
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	85.3	---

SAMPLE IMAGES

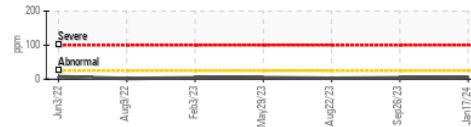


GRAPHS

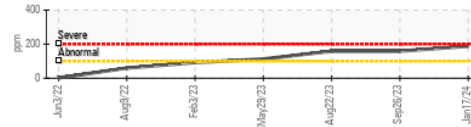
Iron (ppm)



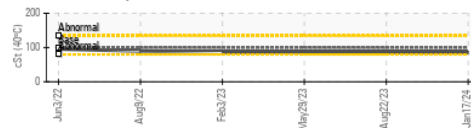
Aluminum (ppm)



▲ Copper (ppm)



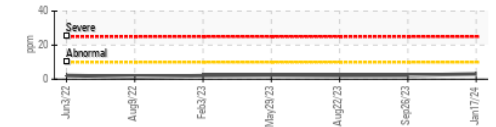
Viscosity @ 40°C



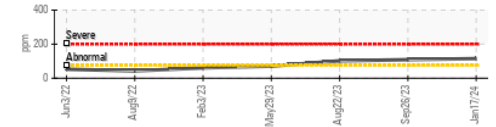
Lead (ppm)



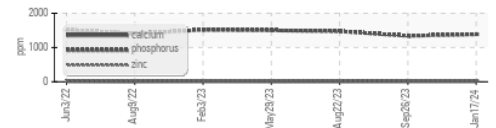
Chromium (ppm)



▲ Silicon (ppm)



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0110446
Lab Number : 02610349
Unique Number : 5711435
Test Package : MOB 1

Received : 22 Jan 2024
Diagnosed : 22 Jan 2024
Diagnostician : Kevin Marson

139, 181 Street,
Beauceville, QC
CA G5X 2S9
Contact: Sandrine Duval
sduval@matrec.ca
T: (418)774-5275
F: (418)774-5292

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.