



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
CAPLAN
Machine Id
#427150

Component
Rear Front Differential
Fluid

PETRO CANADA TRAXON SYNTHETIC 75W90 (20 LTR)



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

Le taux de fer est anormal. 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 l'huile.

Fluid Condition

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	GFL0091131	---	---
Sample Date	Client Info	21 Dec 2023	---	---
Machine Age	hrs Client Info	25794	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	140	---	---
Iron	ppm ASTM D5185(m) >500	▲ 1010	---	---
Chromium	ppm ASTM D5185(m) >10	9	---	---
Nickel	ppm ASTM D5185(m) >10	2	---	---
Titanium	ppm ASTM D5185(m)	2	---	---
Silver	ppm ASTM D5185(m)	0	---	---
Aluminum	ppm ASTM D5185(m) >25	18	---	---
Lead	ppm ASTM D5185(m) >25	0	---	---
Copper	ppm ASTM D5185(m) >100	4	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Antimony	ppm ASTM D5185(m) >5	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

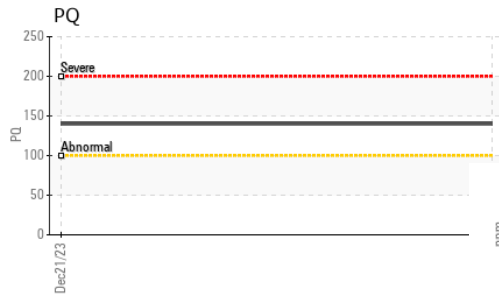
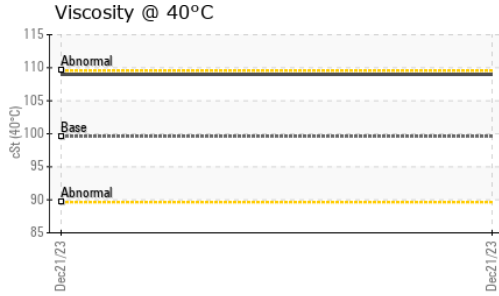
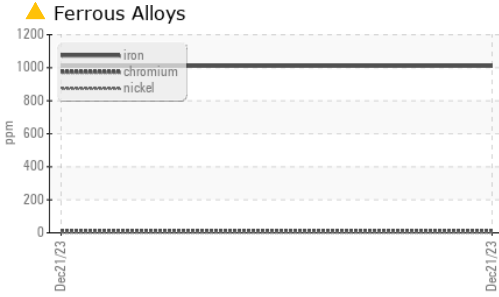
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 328	136	---	---
Barium	ppm ASTM D5185(m) 1	2	---	---
Molybdenum	ppm ASTM D5185(m)	4	---	---
Manganese	ppm ASTM D5185(m)	13	---	---
Magnesium	ppm ASTM D5185(m) 1	8	---	---
Calcium	ppm ASTM D5185(m) 7	90	---	---
Phosphorus	ppm ASTM D5185(m) 1145	1226	---	---
Zinc	ppm ASTM D5185(m) 3	58	---	---
Sulfur	ppm ASTM D5185(m) 17909	20400	---	---
Lithium	ppm ASTM D5185(m)	1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >75	68	---	---
Sodium	ppm ASTM D5185(m)	46	---	---
Potassium	ppm ASTM D5185(m) >20	10	---	---



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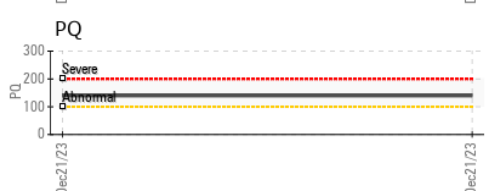
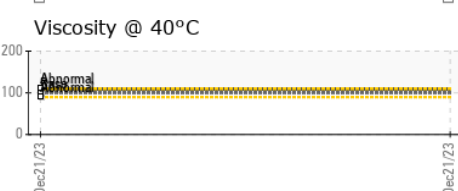
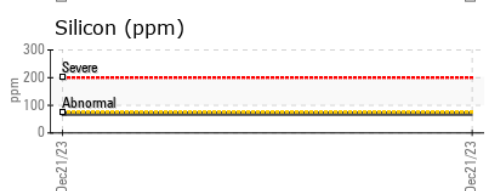
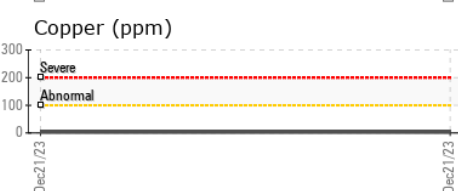
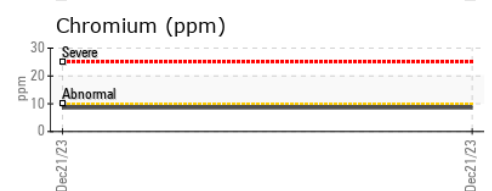
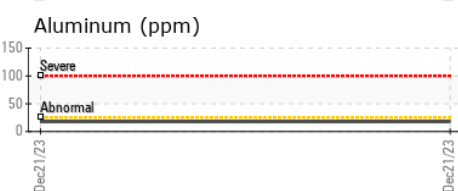
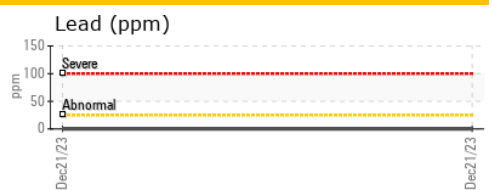
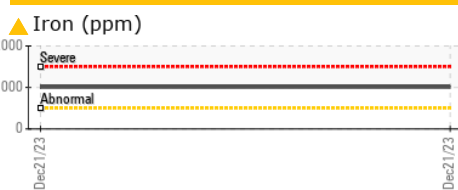
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance	scalar	Visual*	NORML	---	---
Odor	scalar	Visual*	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	---	---
Free Water	scalar	Visual*	---	---	---

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

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0091131 **Received** : 27 Dec 2023
Lab Number : 02605437 **Diagnosed** : 28 Dec 2023
Unique Number : 5698522 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

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 CA G5M 1W4
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 F: (418)388-2038

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.