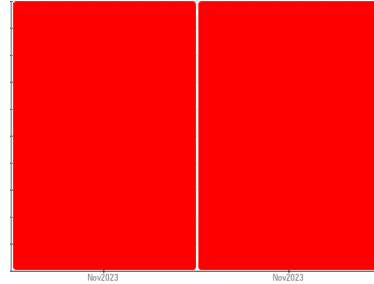


Machine Id
OR370

Component
Rear Differential

Fluid
PETRO CANADA TRAXON 80W90 (--- 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 des engrenages. Le très haut indice ferreux (PQ) indique la présence d'une usure importante.

Contamination

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

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'ISO 220; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. 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		PC0081885	PC0078150	---
Sample Date	Client Info		27 Nov 2023	14 Nov 2023	---
Machine Age	hrs	Client Info	22924	22800	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		4306	4025	---
Iron	ppm	ASTM D5185(m) >500	10126	9757	---
Chromium	ppm	ASTM D5185(m) >10	113	100	---
Nickel	ppm	ASTM D5185(m) >10	3	2	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	<1	<1	---
Aluminum	ppm	ASTM D5185(m) >25	12	11	---
Lead	ppm	ASTM D5185(m) >25	<1	<1	---
Copper	ppm	ASTM D5185(m) >100	18	16	---
Tin	ppm	ASTM D5185(m) >10	0	0	---
Antimony	ppm	ASTM D5185(m) >5	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

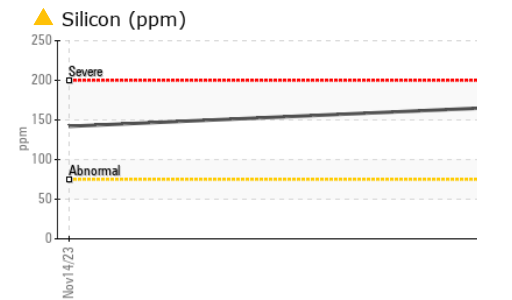
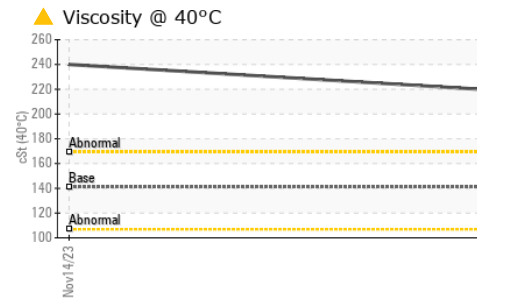
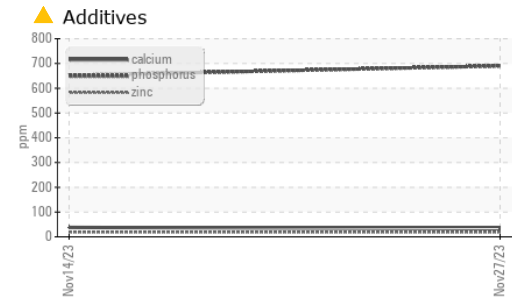
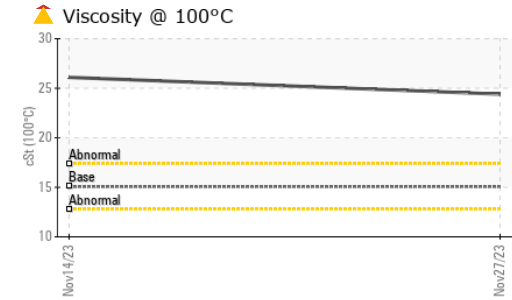
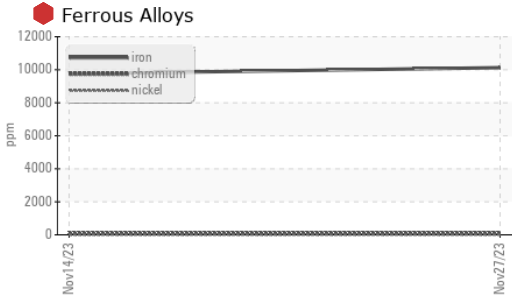
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	9	8	---
Barium	ppm	ASTM D5185(m) 1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	64	56	---
Manganese	ppm	ASTM D5185(m)	90	85	---
Magnesium	ppm	ASTM D5185(m) 2	<1	1	---
Calcium	ppm	ASTM D5185(m) 6	33	38	---
Phosphorus	ppm	ASTM D5185(m) 987	690	652	---
Zinc	ppm	ASTM D5185(m) 1	19	19	---
Sulfur	ppm	ASTM D5185(m) 21530	14534	14323	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	166	142	---
Sodium	ppm	ASTM D5185(m)	2	2	---
Potassium	ppm	ASTM D5185(m) >20	<1	0	---

OIL ANALYSIS REPORT

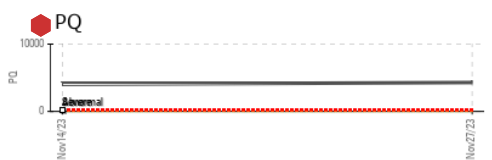
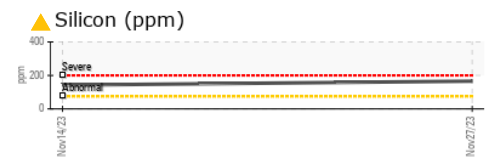
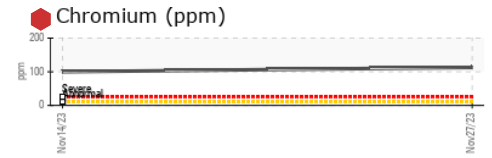
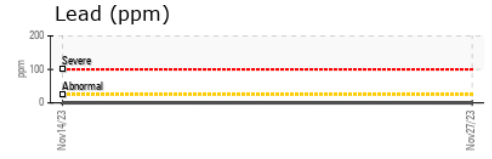
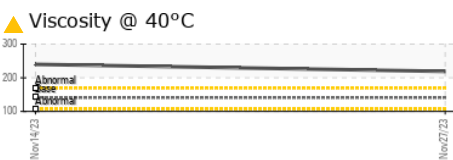
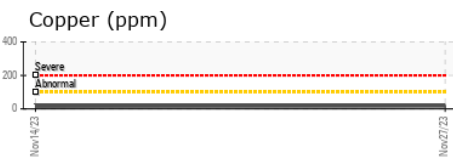
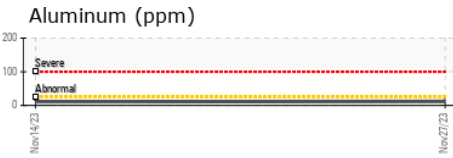
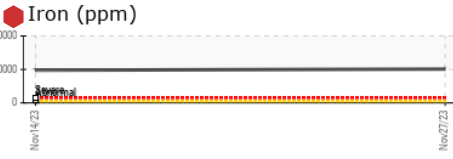


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	▲ 219	240
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	▲ 24.4	26.1
Viscosity Index (VI)	Scale	ASTM D2270*	108	▲ 139	139

PARAMETER	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 742 - Quebec City Solid Waste
Sample No. : PC0081885 **Received** : 29 Nov 2023 5160 Jean-Talon Pierre-Bertrand Bou
Lab Number : 02599659 **Diagnosed** : 30 Nov 2023 Quebec City, QC
Unique Number : 5684739 **Diagnostician** : Kevin Marson CA G2J 1B7
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)
 Contact: Jean Audet
 Jaudet@matrec.ca
 T: (418)624-0080
 F:

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.