



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>ANORMAL</b>

Secteur  
**MICHAUDVILLE**  
Identité de la machine  
**5526**

Composant  
**Entraînement de tourelle**

Fluide  
**PETRO CANADA PRODURO TO-4 SYNTHETIC ALL SEASON (--- GAL)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0082287</b>	PC0066063	PC0038916
Date d'échant.		Client Info		<b>15 Oct 2023</b>	08 Nov 2022	17 Feb 2021
Âge d la Machine	hrs	Client Info		<b>10225</b>	9875	8750
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	Not Changd
Filtre changé		Client Info		<b>N/A</b>	N/A	Not Changd
Statut de l'échant.				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>400	<b>101</b>	89	63
Chrome	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	1	<1
Plomb	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

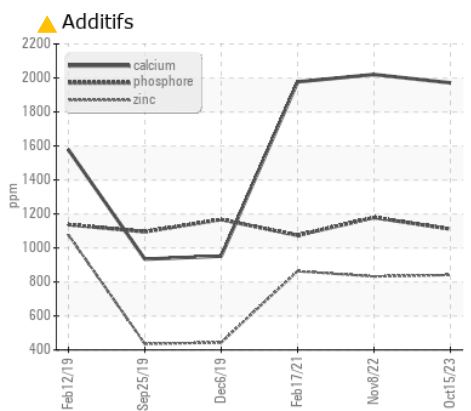
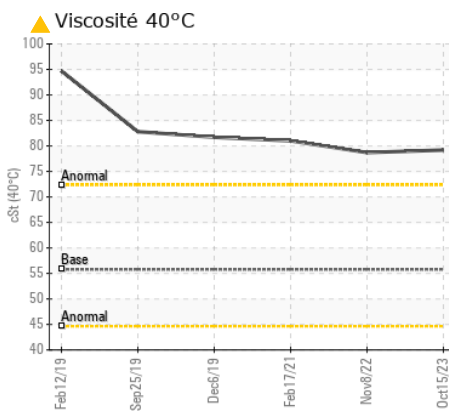
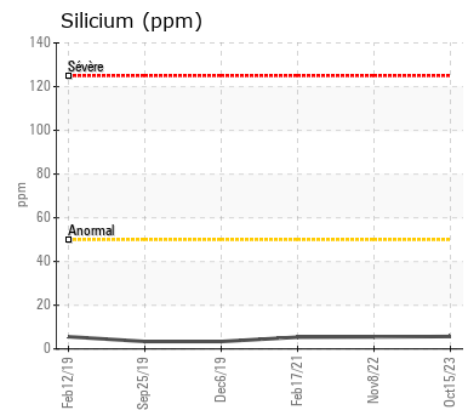
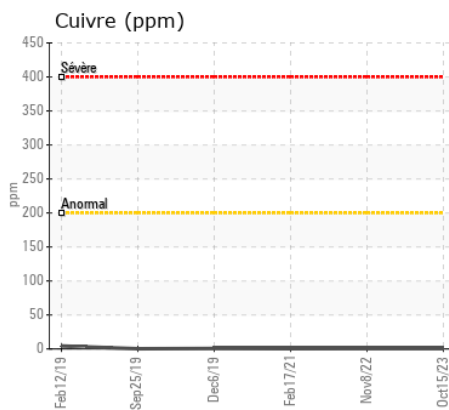
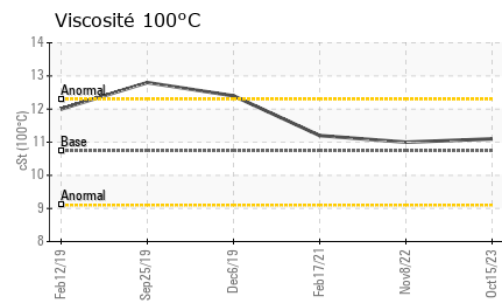
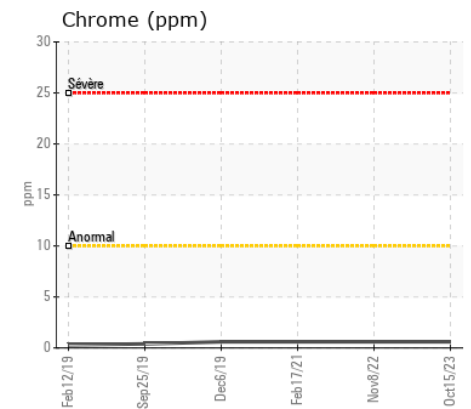
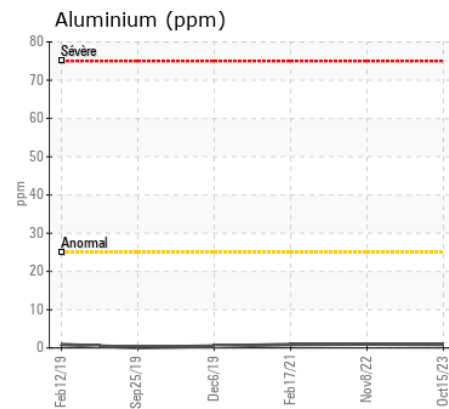
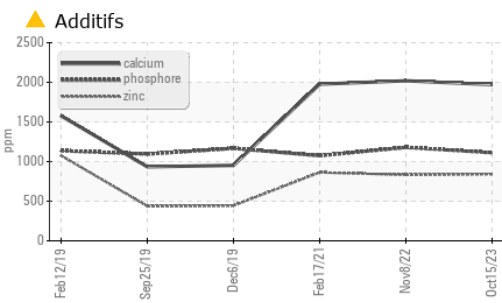
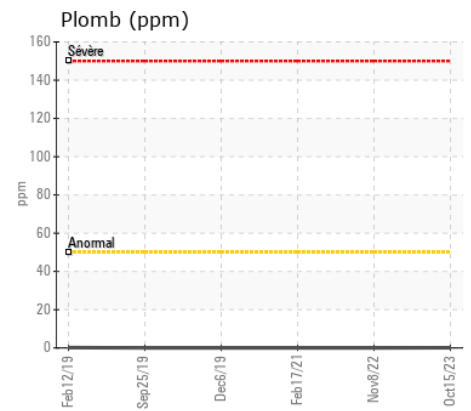
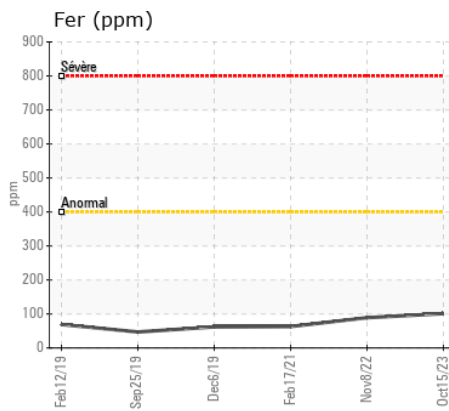
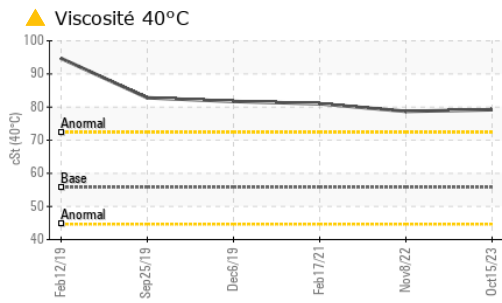
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>50	<b>6</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	2
Limon	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	1
Bore	ppm	ASTM D5185(m)	5	<b>▲ 96</b>	▲ 100	▲ 101
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	0	<b>2</b>	2	2
Manganèse	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	1	<1
Magnésium	ppm	ASTM D5185(m)	10	<b>41</b>	40	34
Calcium	ppm	ASTM D5185(m)	3068	<b>▲ 1971</b>	▲ 2020	▲ 1977
Phosphore	ppm	ASTM D5185(m)	1081	<b>1111</b>	1179	1074
Zinc	ppm	ASTM D5185(m)	1199	<b>▲ 841</b>	▲ 832	▲ 863
Soufre	ppm	ASTM D5185(m)	4636	<b>▲ 8719</b>	▲ 8857	▲ 9437
Visc 40°C	cSt	ASTM D7279(m)	55.79	<b>▲ 79.2</b>	▲ 78.7	▲ 81.0
Visc 100°C	cSt	ASTM D7279(m)	10.74	<b>11.1</b>	11.0	11.2
Indice de viscosité (VI)	Scale	ASTM D2270*	187	<b>▲ 128</b>	▲ 127	▲ 127



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0082287 **Reçu** : 16 Oct 2023 270 RUE BRUNET  
**N° de laboratoire** : 02589364 **Diagnostiqué** : 16 Oct 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5658430 **Diagnostiqueur** : Kevin Marson CA J3H 0M6  
**Analyse** : MOB 1 ( Additional Tests: KV100, VI ) Contact: Martin Trudel

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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