



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 52977

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0890001	---	---
Date d'échant.		Client Info		30 Jan 2024	---	---
Âge d la Machine	mls	Client Info		35556	---	---
Âge de l'huile	mls	Client Info		0	---	---
Âge du filtre	mls	Client Info		0	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				NORMAL	---	---

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	50	---	---
Chrome	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titane	ppm	ASTM D5185(m)		0	---	---
Argent	ppm	ASTM D5185(m)	>3	<1	---	---
Aluminium	ppm	ASTM D5185(m)	>20	17	---	---
Plomb	ppm	ASTM D5185(m)	>40	4	---	---
Cuivre	ppm	ASTM D5185(m)	>330	24	---	---
Étain	ppm	ASTM D5185(m)	>15	4	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

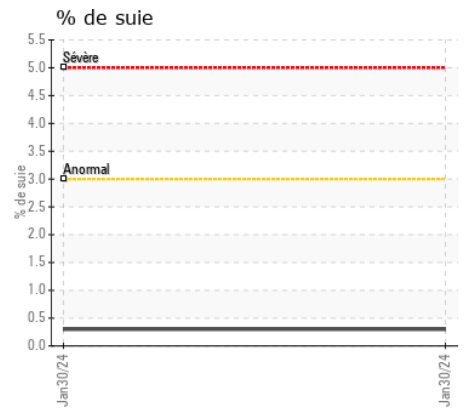
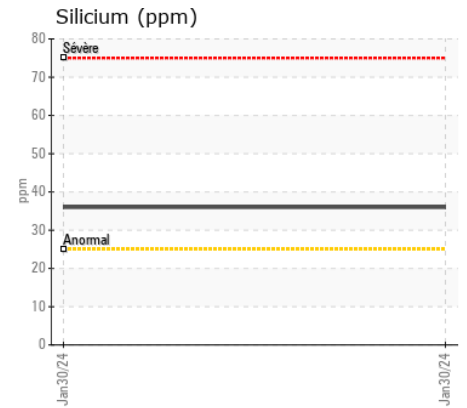
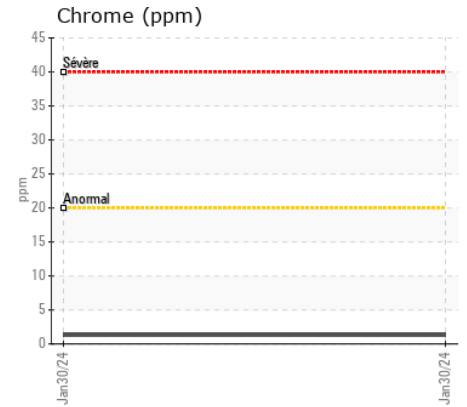
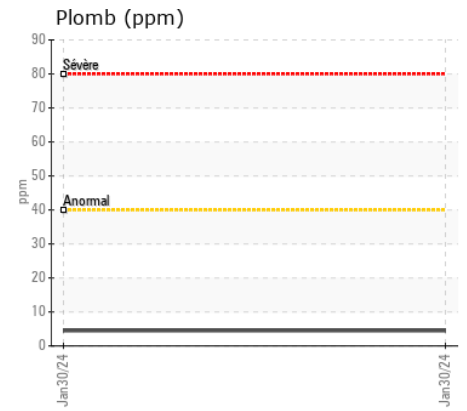
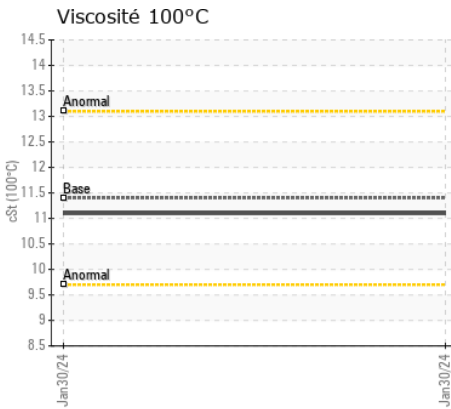
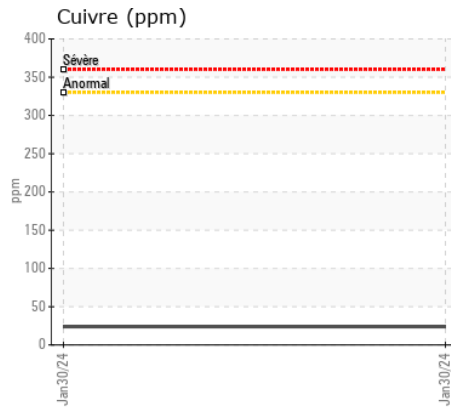
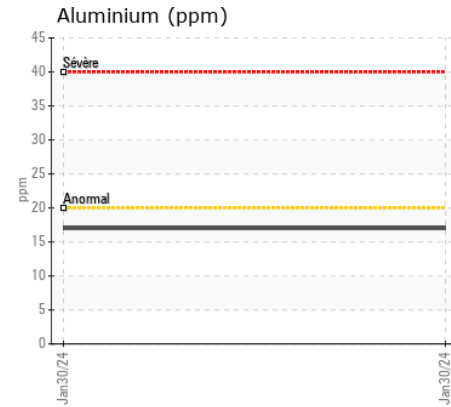
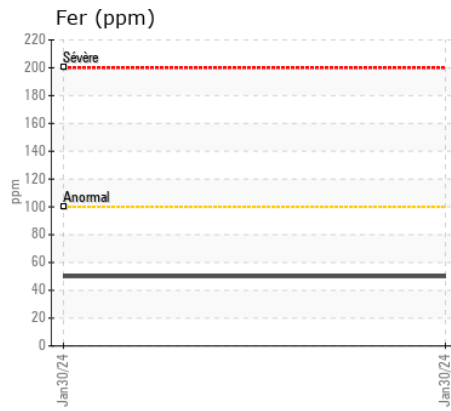
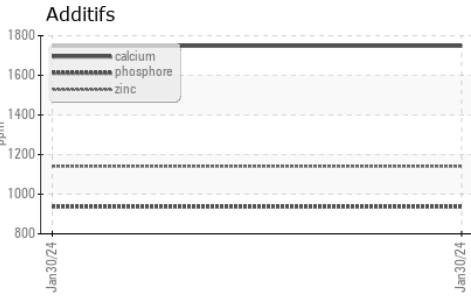
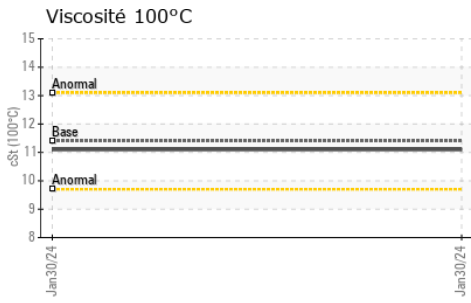
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	36	---	---
Potassium	ppm	ASTM D5185(m)	>20	57	---	---
Essence		WC Method	>2.0	<1.0	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>3	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.6	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.9	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	---	---
Bore	ppm	ASTM D5185(m)	1	44	---	---
Baryum	ppm	ASTM D5185(m)	1	4	---	---
Molybdène	ppm	ASTM D5185(m)	1	62	---	---
Manganèse	ppm	ASTM D5185(m)	1	4	---	---
Magnésium	ppm	ASTM D5185(m)	10	433	---	---
Calcium	ppm	ASTM D5185(m)	2942	1748	---	---
Phosphore	ppm	ASTM D5185(m)	1102	937	---	---
Zinc	ppm	ASTM D5185(m)	1351	1141	---	---
Soufre	ppm	ASTM D5185(m)	3903	2578	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	18.2	---	---
Visc 100°C	cSt	ASTM D7279(m)	11.4	11.1	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : WC0890001

N° de laboratoire : 02614964

Numéro unique : 5724059

Analyse : MOB 1

Reçu : 12 Feb 2024

Tested : 12 Feb 2024

Diagnostiqué : 12 Feb 2024 - Wes Davis

MANITOU LIN TRANSPORT

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Pour discuter cette 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.