



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

FREGHTLINER 52951

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. The fluid was specified as PETRO CANADA DURON SAE 10W30, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0889977	---	---
Date d'échant.		Client Info		04 Mar 2024	---	---
Âge d la Machine	mls	Client Info		77310	---	---
Âge de l'huile	mls	Client Info		41228	---	---
Âge du filtre	mls	Client Info		41228	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				NORMAL	---	---

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	78	---	---
Chrome	ppm	ASTM D5185(m)	>20	4	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titane	ppm	ASTM D5185(m)		<1	---	---
Argent	ppm	ASTM D5185(m)	>3	0	---	---
Aluminium	ppm	ASTM D5185(m)	>20	59	---	---
Plomb	ppm	ASTM D5185(m)	>40	<1	---	---
Cuivre	ppm	ASTM D5185(m)	>330	73	---	---
Étain	ppm	ASTM D5185(m)	>15	1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

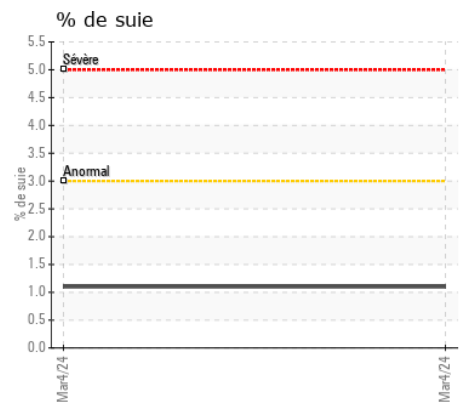
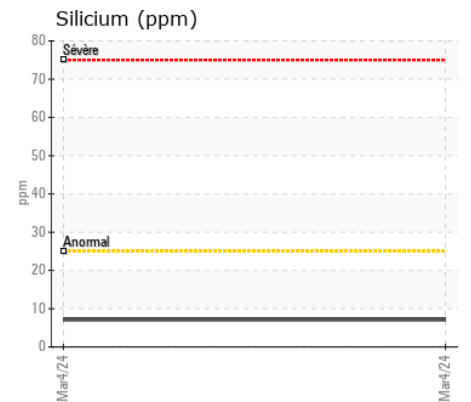
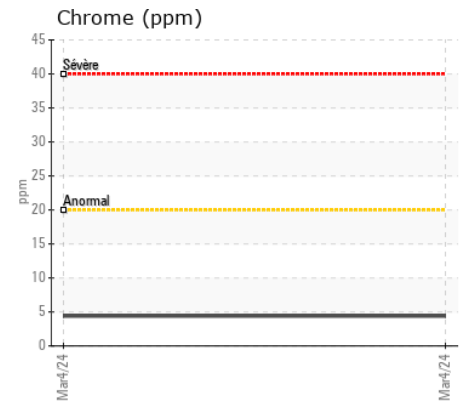
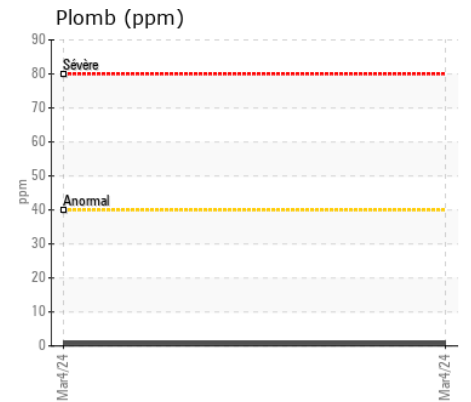
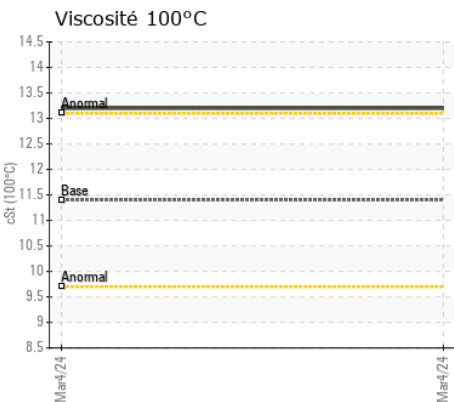
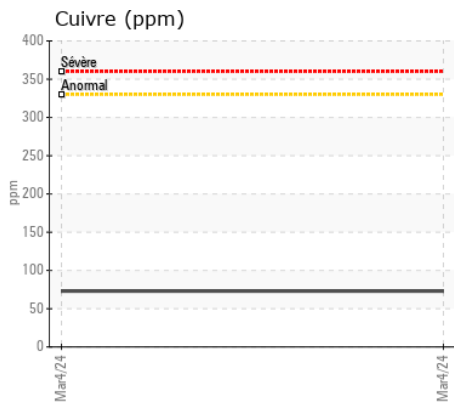
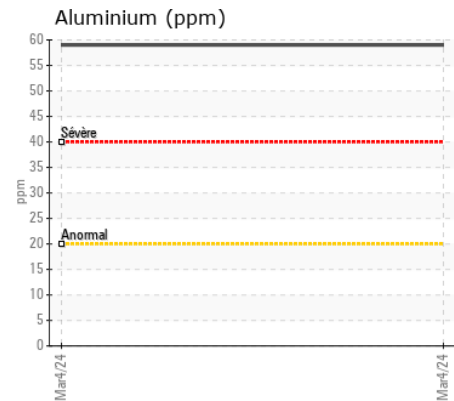
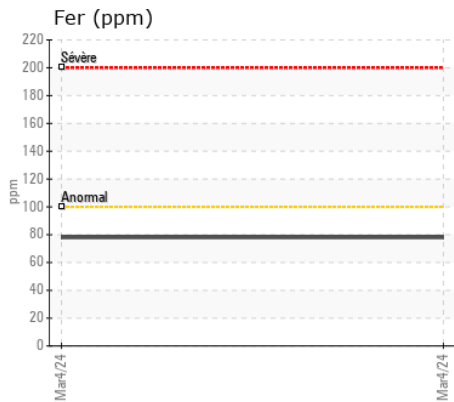
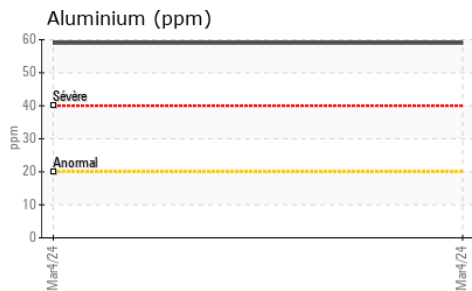
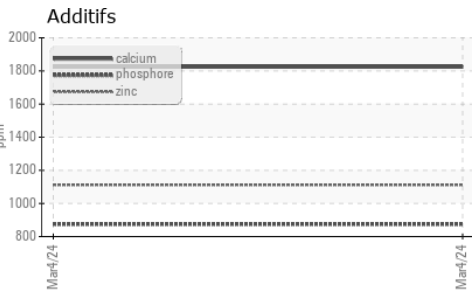
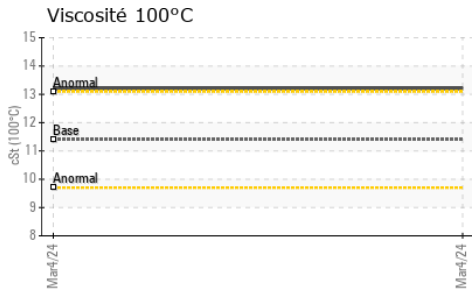
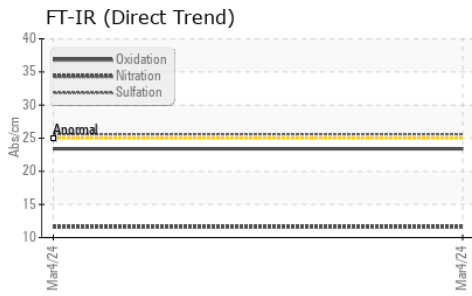
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	126	---	---
Essence		WC Method	>5	<1.0	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>3	1.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.6	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	25.6	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

Viscosity of sample indicates oil is within SAE 40 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)		5	---	---
Bore	ppm	ASTM D5185(m)	1	26	---	---
Baryum	ppm	ASTM D5185(m)	1	0	---	---
Molybdène	ppm	ASTM D5185(m)	1	29	---	---
Manganèse	ppm	ASTM D5185(m)	1	1	---	---
Magnésium	ppm	ASTM D5185(m)	10	436	---	---
Calcium	ppm	ASTM D5185(m)	2942	1824	---	---
Phosphore	ppm	ASTM D5185(m)	1102	875	---	---
Zinc	ppm	ASTM D5185(m)	1351	1112	---	---
Soufre	ppm	ASTM D5185(m)	3903	2142	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	23.4	---	---
Visc 100°C	cSt	ASTM D7279(m)	11.4	13.2	---	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0889977
N° de laboratoire : 02626951
Numéro unique : 5760083
Analyse : MOB 1

Reçu : 05 Apr 2024
Tested : 05 Apr 2024
Diagnostiqué : 05 Apr 2024 - Kevin Marson

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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.