



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

FREIGHTLINER 52982

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (--- LTR)

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		WC0889982	---	---
Date d'échant.		Client Info		19 Feb 2024	---	---
Âge d la Machine	mls	Client Info		37791	---	---
Âge de l'huile	mls	Client Info		37454	---	---
Âge du filtre	mls	Client Info		37454	---	---
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)	>80	62	---	---
Chrome	ppm	ASTM D5185(m)	>5	4	---	---
Nickel	ppm	ASTM D5185(m)	>2	1	---	---
Titane	ppm	ASTM D5185(m)		0	---	---
Argent	ppm	ASTM D5185(m)	>3	<1	---	---
Aluminium	ppm	ASTM D5185(m)	>30	60	---	---
Plomb	ppm	ASTM D5185(m)	>30	4	---	---
Cuivre	ppm	ASTM D5185(m)	>150	179	---	---
Étain	ppm	ASTM D5185(m)	>5	5	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

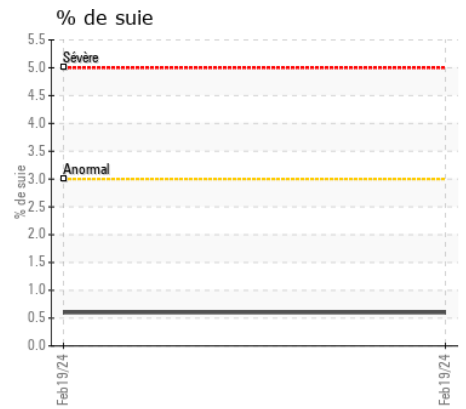
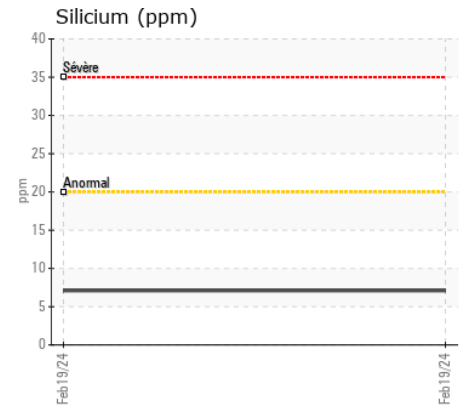
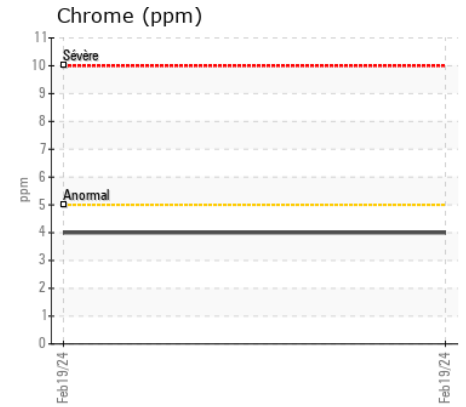
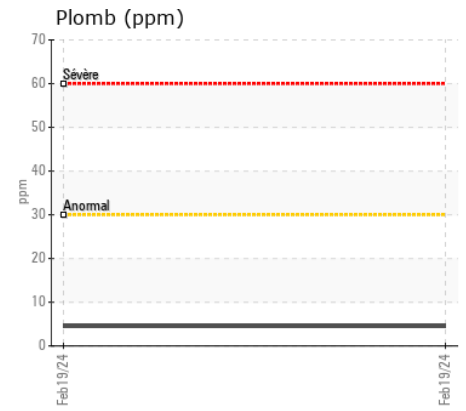
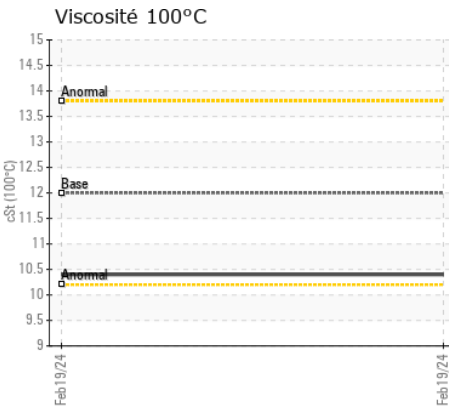
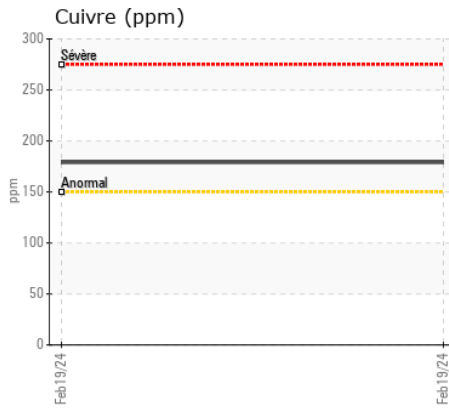
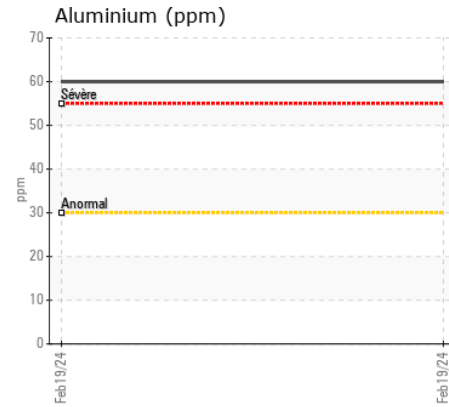
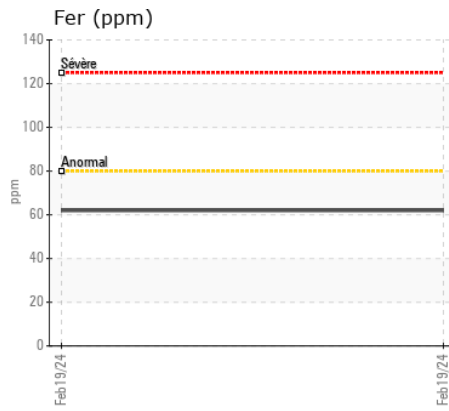
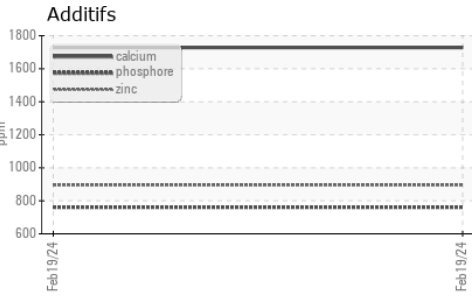
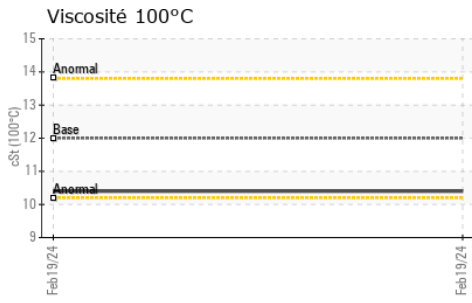
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>20	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	132	---	---
Essence		WC Method	>5	<1.0	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>3	0.6	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.5	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	23.5	---	---
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)		6	---	---
Bore	ppm	ASTM D5185(m)	2	29	---	---
Baryum	ppm	ASTM D5185(m)	0	<1	---	---
Molybdène	ppm	ASTM D5185(m)	50	44	---	---
Manganèse	ppm	ASTM D5185(m)	0	4	---	---
Magnésium	ppm	ASTM D5185(m)	950	553	---	---
Calcium	ppm	ASTM D5185(m)	1050	1728	---	---
Phosphore	ppm	ASTM D5185(m)	995	761	---	---
Zinc	ppm	ASTM D5185(m)	1180	895	---	---
Soufre	ppm	ASTM D5185(m)	2600	1779	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	24.5	---	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	10.4	---	---



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : WC0889982

N° de laboratoire : 02617362

Numéro unique : 5734472

Analyse : MOB 1

Reçu : 22 Feb 2024

Tested : 22 Feb 2024

Diagnostiqué : 22 Feb 2024 - Kevin Marson

MANITOU LIN TRANSPORT
1890 DES SOURCES BOULEVARD

POINTE CLAIRE, QC

CA H9R 5B1

Contact: Eric Marcelin

emarcelin@manitoulintransport.com

T: (514)694-5111

F: (514)694-9739

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.