



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 series

Identité de la machine

FREIGHTLINER 52952

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0889970	WC0836024	---
Date d'échant.		Client Info		22 Dec 2023	16 Aug 2023	---
Âge d la Machine	mls	Client Info		34854	40668	---
Âge de l'huile	mls	Client Info		34854	40688	---
Âge du filtre	mls	Client Info		34854	40688	---
Huile changée		Client Info		Changed	Changed	---
Filtre changé		Client Info		Changed	Changed	---
Statut de l'échant.				NORMAL	NORMAL	---

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>200	34	70	---
Chrome	ppm	ASTM D5185(m)	>20	2	5	---
Nickel	ppm	ASTM D5185(m)	>2	<1	1	---
Titane	ppm	ASTM D5185(m)	>2	0	<1	---
Argent	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminium	ppm	ASTM D5185(m)	>30	16	63	---
Plomb	ppm	ASTM D5185(m)	>30	2	6	---
Cuivre	ppm	ASTM D5185(m)	>30	96	241	---
Étain	ppm	ASTM D5185(m)	>15	1	5	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

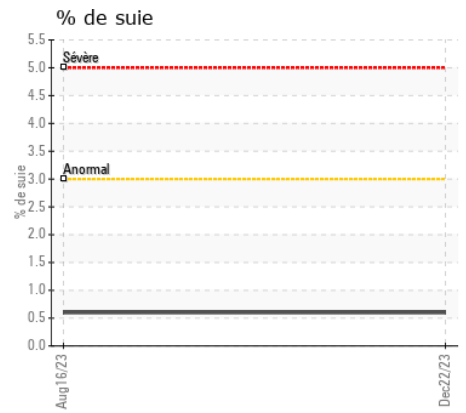
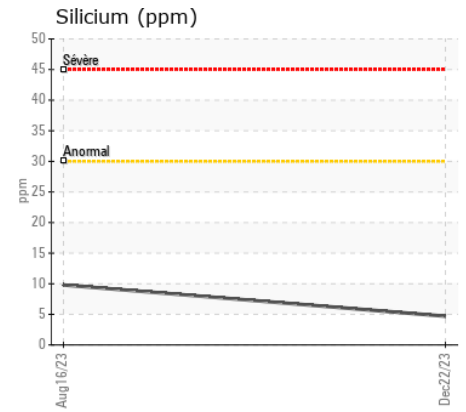
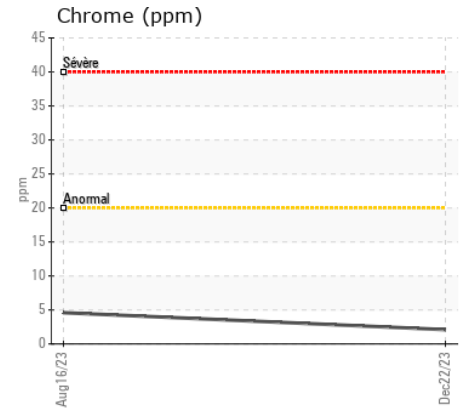
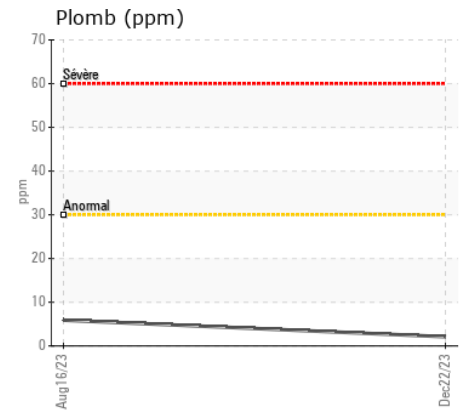
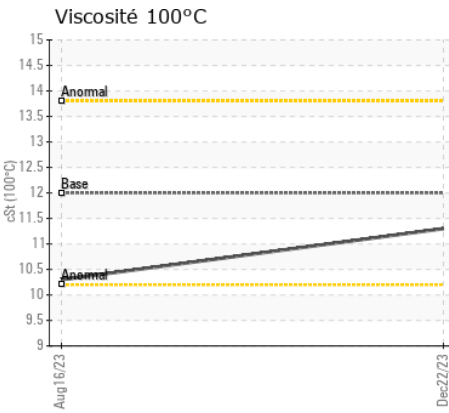
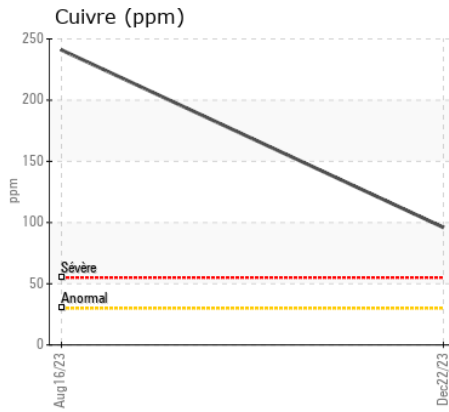
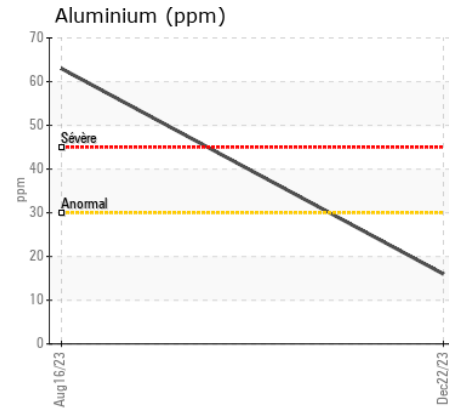
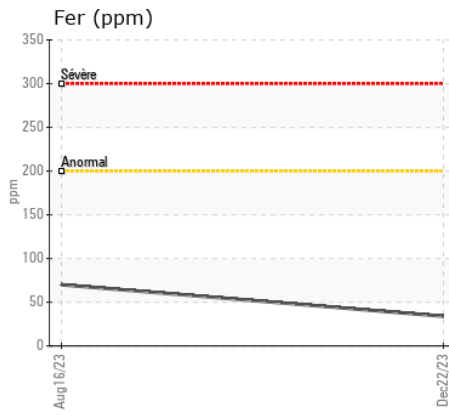
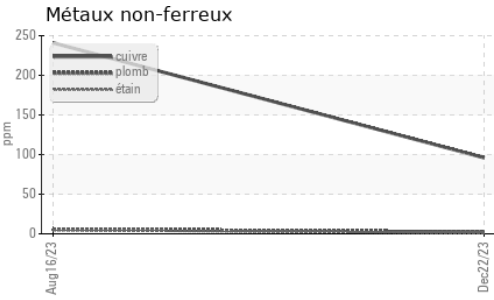
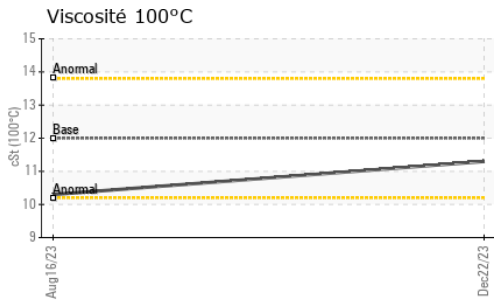
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>30	5	10	---
Potassium	ppm	ASTM D5185(m)	>20	31	156	---
Essence		WC Method	>3.0	<1.0	<1.0	---
L'eau		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
% de suie	%	ASTM D7844*	>3	0.6	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	9.6	11.5	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.6	23.9	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	---

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	8	---
Bore	ppm	ASTM D5185(m)	2	4	28	---
Baryum	ppm	ASTM D5185(m)	0	0	<1	---
Molybdène	ppm	ASTM D5185(m)	50	56	42	---
Manganèse	ppm	ASTM D5185(m)	0	1	6	---
Magnésium	ppm	ASTM D5185(m)	950	854	512	---
Calcium	ppm	ASTM D5185(m)	1050	1201	1765	---
Phosphore	ppm	ASTM D5185(m)	995	811	733	---
Zinc	ppm	ASTM D5185(m)	1180	1058	854	---
Soufre	ppm	ASTM D5185(m)	2600	1848	1572	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	18.5	25.6	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.3	10.3	---



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0889970
N° de laboratoire : 02610231
Numéro unique : 5711317
Analyse : MOB 1

Reçu : 22 Jan 2024
Diagnostiqué : 23 Jan 2024
Diagnostiqueur : 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.