



Identité de la machine

FREIGHTLINER 4093

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0083908	---	---
Date d'échant.		Client Info		23 Nov 2023	---	---
Âge d la Machine	kms	Client Info		188329	---	---
Âge de l'huile	kms	Client Info		89998	---	---
Âge du filtre	kms	Client Info		89998	---	---
Huile changée		Client Info		Changed	---	---
Filtre changé		Client Info		Changed	---	---
Statut de l'échant.				ABNORMAL	---	---

USURE

Usure de cylindre, de vilebrequin ou d'arbre à cames. Usure de segment.

PQ		ASTM D8184*	>65	0	---	---
Fer	ppm	ASTM D5185(m)	>80	▲ 84	---	---
Chrome	ppm	ASTM D5185(m)	>5	▲ 5	---	---
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	22	---	---
Plomb	ppm	ASTM D5185(m)	>30	1	---	---
Cuivre	ppm	ASTM D5185(m)	>150	48	---	---
Étain	ppm	ASTM D5185(m)	>5	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Métal blanc	scalar	Visual*	NONE	VLITE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

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. Il n'y a aucun indice de contamination dans l'huile.

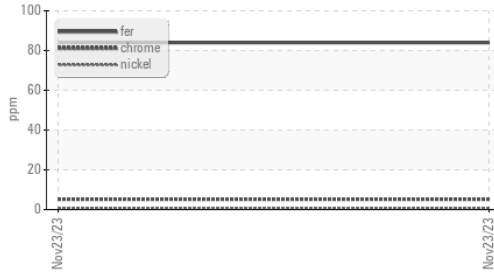
Silicium	ppm	ASTM D5185(m)	>20	15	---	---
Potassium	ppm	ASTM D5185(m)	>20	49	---	---
Essence		WC Method	>5	<1.0	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>3	2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	13.7	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	27.6	---	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

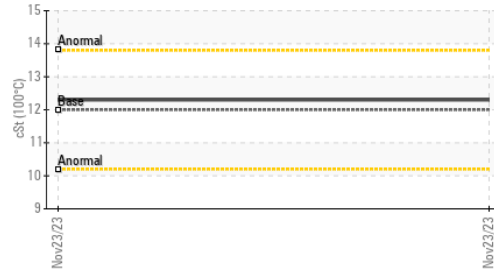
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		5	---	---
Bore	ppm	ASTM D5185(m)	2	5	---	---
Baryum	ppm	ASTM D5185(m)	0	0	---	---
Molybdène	ppm	ASTM D5185(m)	50	59	---	---
Manganèse	ppm	ASTM D5185(m)	0	2	---	---
Magnésium	ppm	ASTM D5185(m)	950	886	---	---
Calcium	ppm	ASTM D5185(m)	1050	1366	---	---
Phosphore	ppm	ASTM D5185(m)	995	925	---	---
Zinc	ppm	ASTM D5185(m)	1180	1149	---	---
Soufre	ppm	ASTM D5185(m)	2600	1908	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	25.6	---	---
Visc 40°C	cSt	ASTM D7279(m)	80.1	84.9	---	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	12.3	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*	144	140	---	---

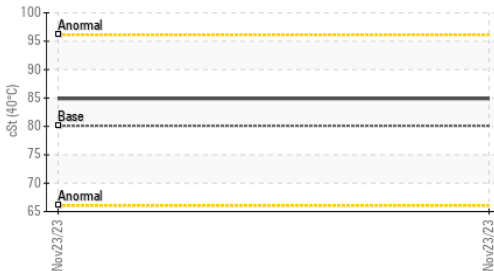
▲ Alliages ferreux



Viscosité 100°C



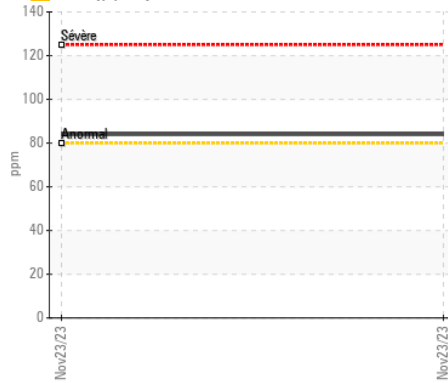
Viscosité 40°C



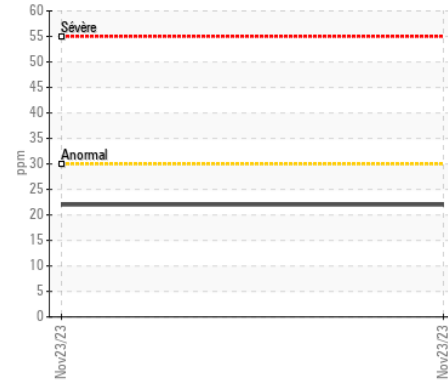
PQ



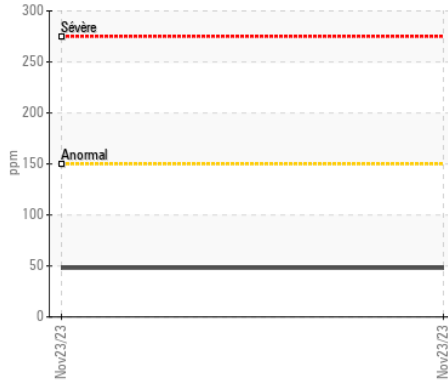
▲ Fer (ppm)



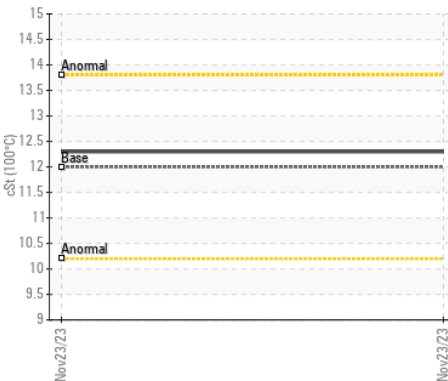
Aluminium (ppm)



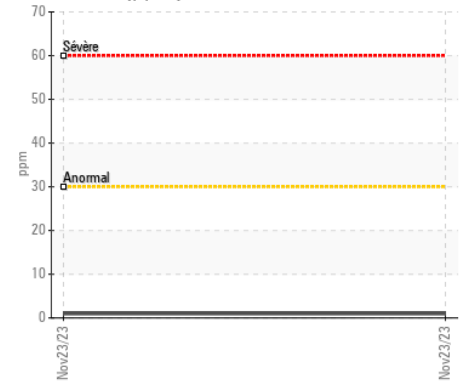
Cuivre (ppm)



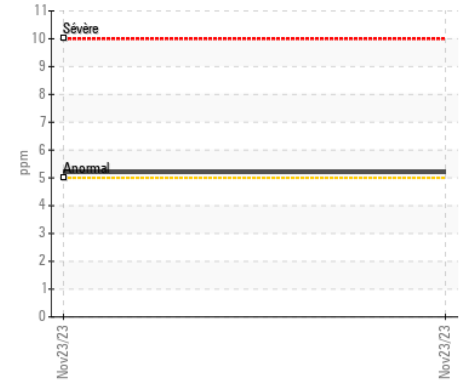
Viscosité 100°C



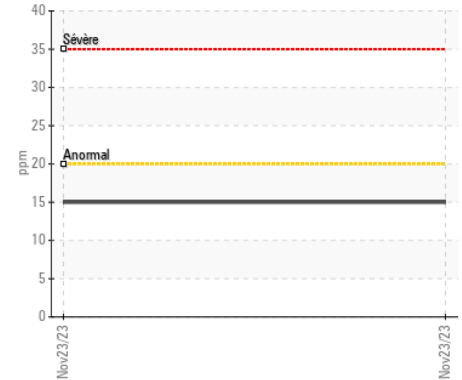
Plomb (ppm)



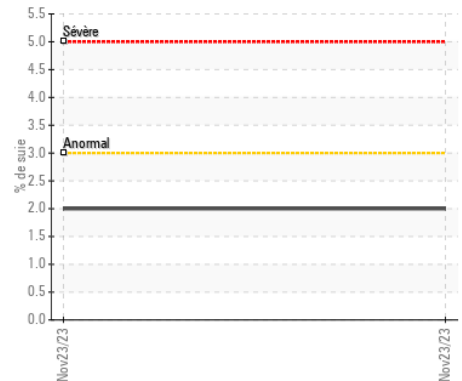
▲ Chrome (ppm)



Silicium (ppm)



% de suie



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : PC0083908

N° de laboratoire : 02609255

Numéro unique : 5710341

Analyse : MOB 1 (Additional Tests: KV40, PQ, VI, Visual)

Reçu : 17 Jan 2024

Diagnostiqué : 18 Jan 2024

Diagnostiqueur : Kevin Marson

LOCATION BROSSARD INC

2190 HYMUS

DORVAL, QC

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Contact: Jacques Girard

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T:

F:

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.