



Identité de la machine

FREIGHTLINER 4031

Composant

Moteur diesel

Fluide

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

RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0082580	PC0065786	PC0048943
Date d'échant.		Client Info		25 Oct 2023	06 Apr 2023	13 Oct 2022
Âge d la Machine	kms	Client Info		167790	120309	77646
Âge de l'huile	kms	Client Info		47481	21940	34160
Âge du filtre	kms	Client Info		47481	21940	34160
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

Les taux d'usure de tous les composants sont normaux.

Fer	ppm	ASTM D5185(m)	>80	18	22	25
Chrome	ppm	ASTM D5185(m)	>5	1	2	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>30	8	10	14
Plomb	ppm	ASTM D5185(m)	>30	<1	2	2
Cuivre	ppm	ASTM D5185(m)	>150	27	61	73
Étain	ppm	ASTM D5185(m)	>5	1	3	4
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

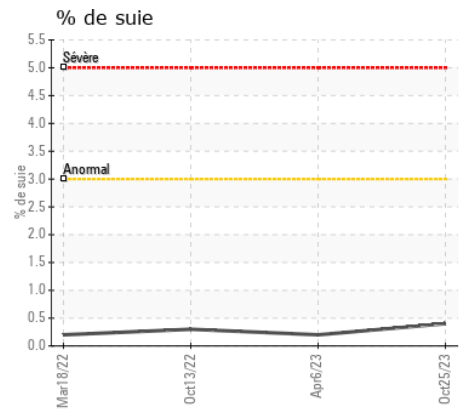
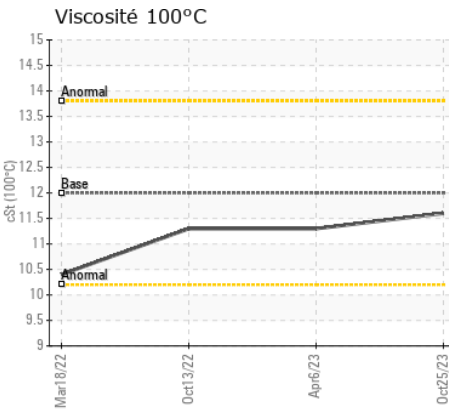
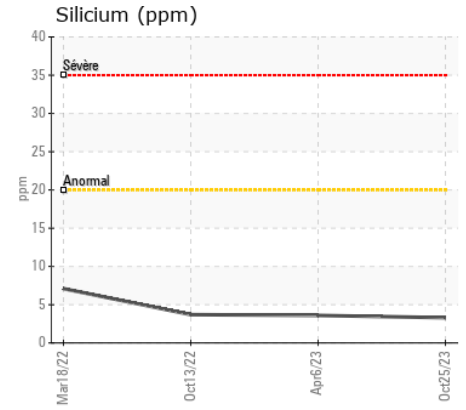
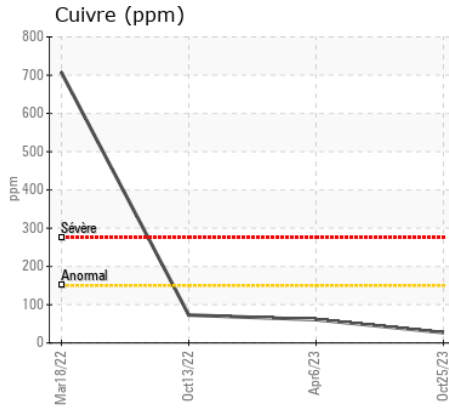
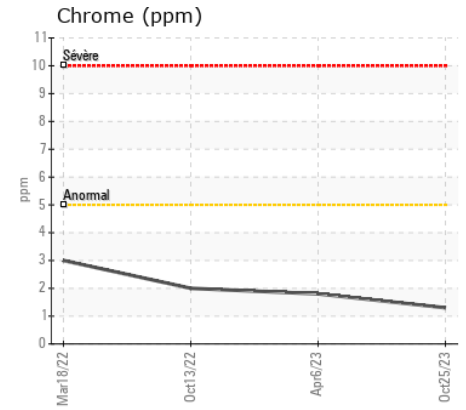
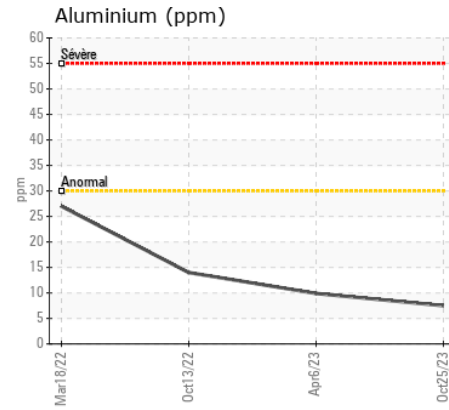
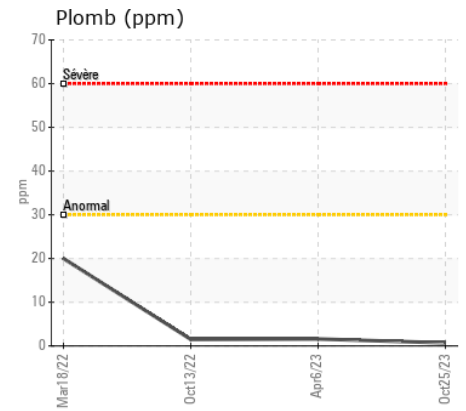
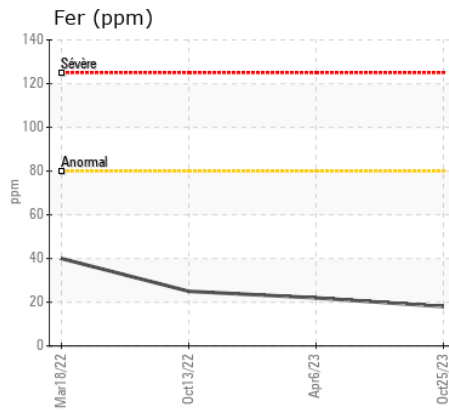
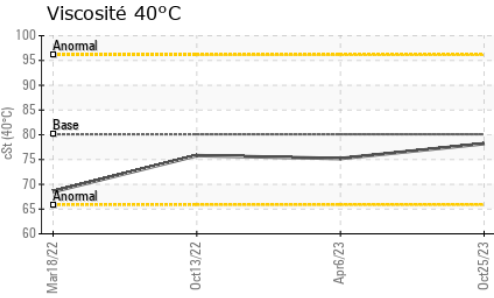
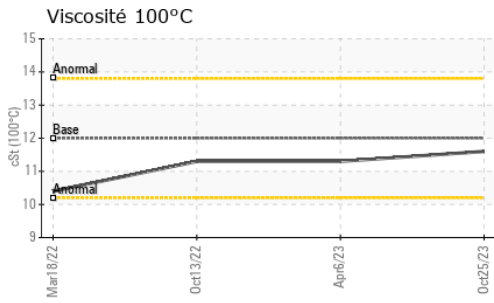
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	11	20	30
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.4	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.3	8.7	8.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.9	23.1	21.8
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		3	4	3
Bore	ppm	ASTM D5185(m)	2	4	3	4
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	64	61	53
Manganèse	ppm	ASTM D5185(m)	0	0	<1	1
Magnésium	ppm	ASTM D5185(m)	950	917	919	933
Calcium	ppm	ASTM D5185(m)	1050	1171	1177	1185
Phosphore	ppm	ASTM D5185(m)	995	967	933	949
Zinc	ppm	ASTM D5185(m)	1180	1204	1102	1144
Soufre	ppm	ASTM D5185(m)	2600	2199	2162	2037
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.4	17.1	17.1
Visc 40°C	cSt	ASTM D7279(m)	80.1	78.2	75.2	75.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.6	11.3	11.3
Indice de viscosité (VI)	Scale	ASTM D2270*	144	140	141	140



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0082580 **Reçu** : 08 Nov 2023
N° de laboratoire : 02594908 **Diagnostiqué** : 08 Nov 2023
Numéro unique : 5671987 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI)

LOCATION BROSSARD INC
 2190 HYMUS
 DORVAL, QC
 CA H9P 1J7
 Contact: Shawn Lamoureux
 slamoureux@brossard.com

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.

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