



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

FREIGHTLINER 4015

Composant

Moteur diesel

Fluid

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

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		PC0082522	PC0064717	PC0064583
Date d'échant.		Client Info		03 Jun 2024	09 Feb 2023	04 Aug 2022
Âge d la Machine	kms	Client Info		331236	162998	90754
Âge de l'huile	kms	Client Info		51632	72244	55116
Âge du filtre	kms	Client Info		51632	72244	55116
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	24	45	42
Chrome	ppm	ASTM D5185(m)	>5	2	4	4
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	<1	<1
Argent	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminium	ppm	ASTM D5185(m)	>30	7	23	35
Plomb	ppm	ASTM D5185(m)	>30	0	<1	<1
Cuivre	ppm	ASTM D5185(m)	>150	17	25	33
Étain	ppm	ASTM D5185(m)	>5	0	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

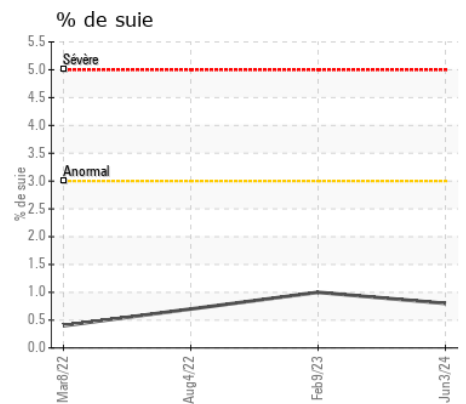
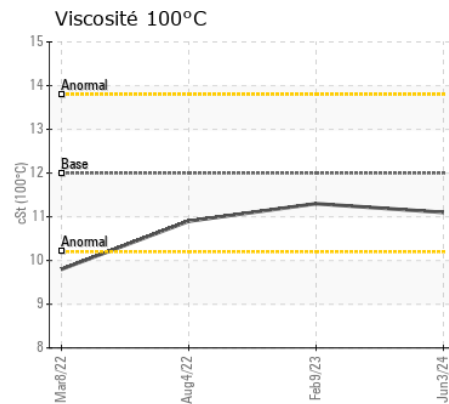
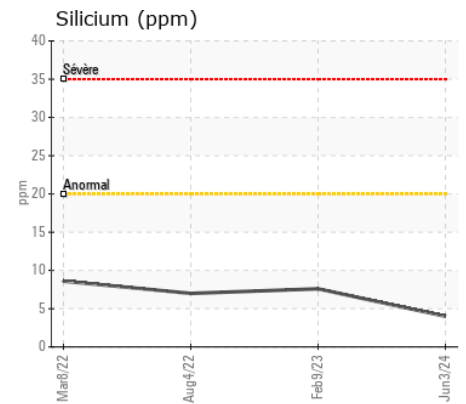
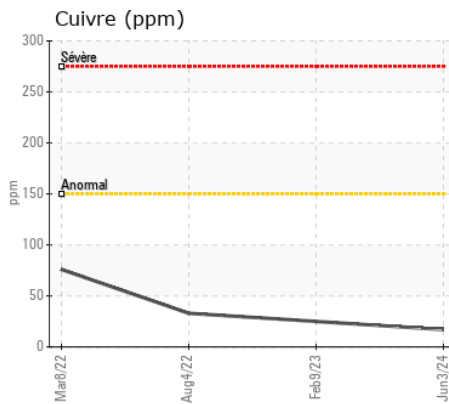
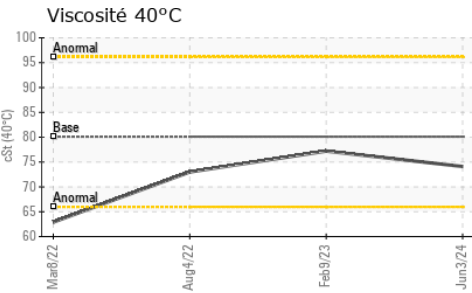
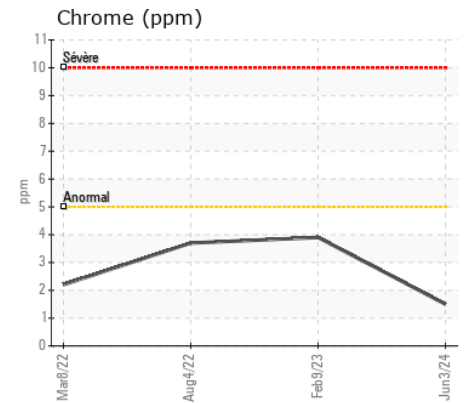
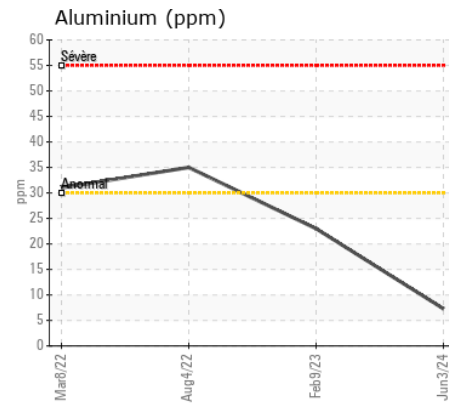
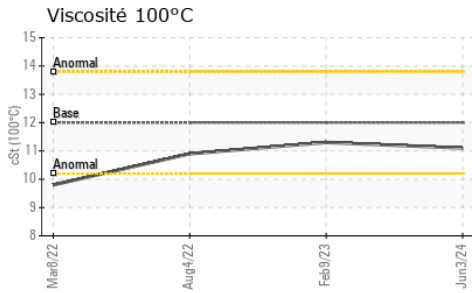
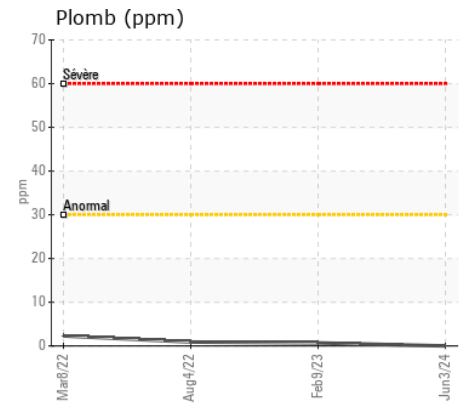
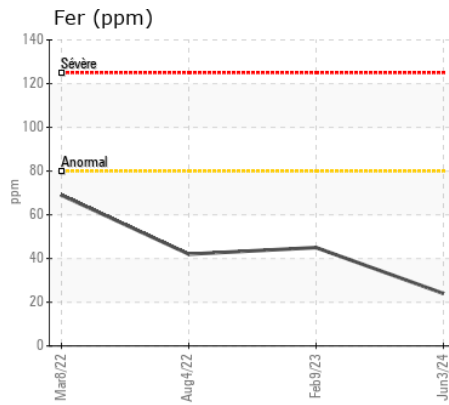
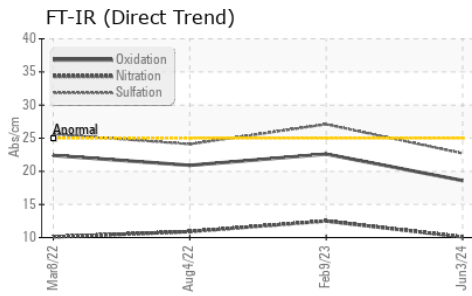
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	4	8	7
Potassium	ppm	ASTM D5185(m)	>20	8	46	85
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.8	1	0.7
Nitration	Abs/cm	ASTM D7624*	>20	10.1	12.5	10.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.7	27.1	24.1
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)		2	4	3
Bore	ppm	ASTM D5185(m)	2	3	2	4
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	64	69	60
Manganèse	ppm	ASTM D5185(m)	0	<1	1	1
Magnésium	ppm	ASTM D5185(m)	950	1055	1092	961
Calcium	ppm	ASTM D5185(m)	1050	1170	1294	1287
Phosphore	ppm	ASTM D5185(m)	995	1069	1162	993
Zinc	ppm	ASTM D5185(m)	1180	1279	1369	1210
Soufre	ppm	ASTM D5185(m)	2600	2249	2193	2002
Oxydation	Abs/.1mm	ASTM D7414*	>25	18.6	22.6	20.9
Visc 40°C	cSt	ASTM D7279(m)	80.1	74.1	77.2	73.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.1	11.3	10.9
Indice de viscosité (VI)	Scale	ASTM D2270*	144	140	137	138



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : PC0082522

N° de laboratoire : 02641058

Numéro unique : 5798597

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

Reçu : 11 Jun 2024

Tested : 11 Jun 2024

Diagnostiqué : 11 Jun 2024 - Wes Davis

LOCATION BROSSARD INC

2190 HYMUS

DORVAL, QC

CA H9P 1J7

Contact: Shawn Lamoureux

slamoureux@brossard.com

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.