



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

FREIGHTLINER 3697

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		PC0058965	PC0075829	PC0065780
Date d'échant.		Client Info		26 Sep 2023	11 Sep 2023	27 Mar 2023
Âge d la Machine	kms	Client Info		279277	320680	301077
Âge de l'huile	kms	Client Info		44243	19603	21800
Âge du filtre	kms	Client Info		44243	19603	21800
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	20	13	16
Chrome	ppm	ASTM D5185(m)	>5	2	1	2
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>30	15	9	14
Plomb	ppm	ASTM D5185(m)	>30	<1	0	0
Cuivre	ppm	ASTM D5185(m)	>150	6	4	6
Étain	ppm	ASTM D5185(m)	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	VLITE
Bronze	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

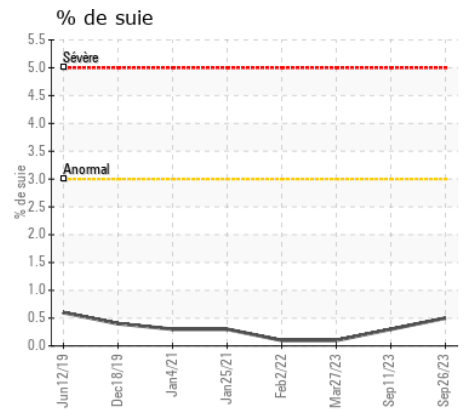
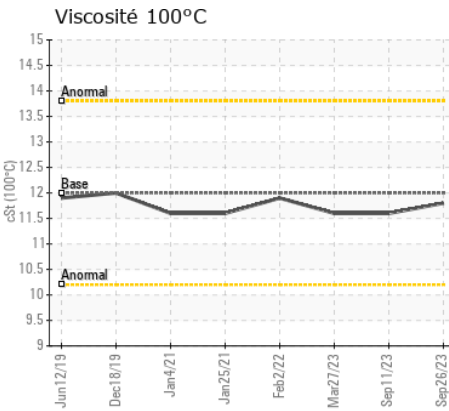
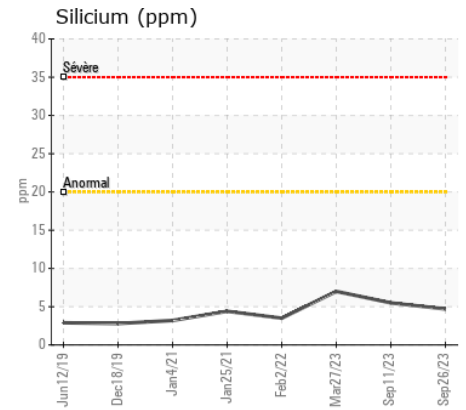
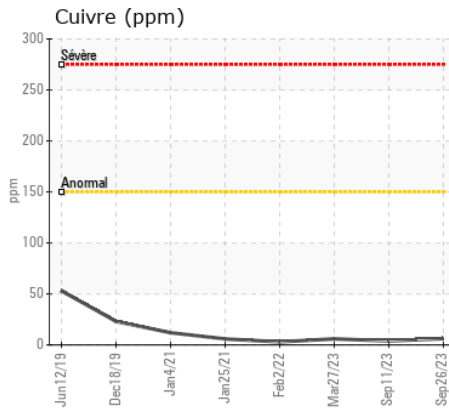
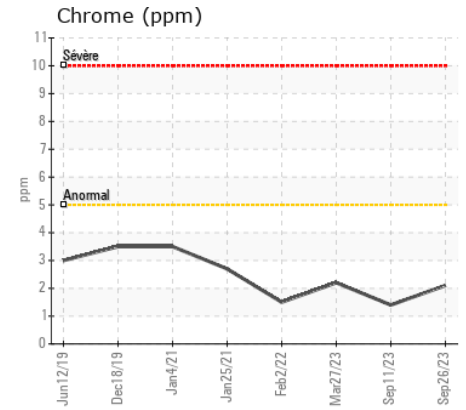
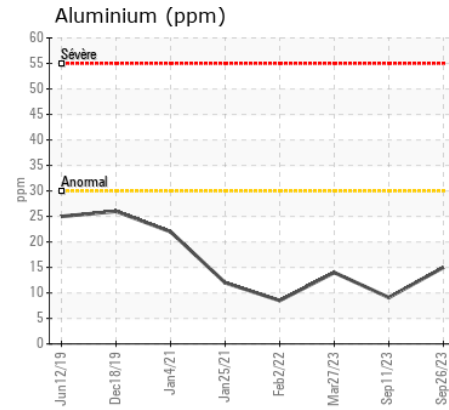
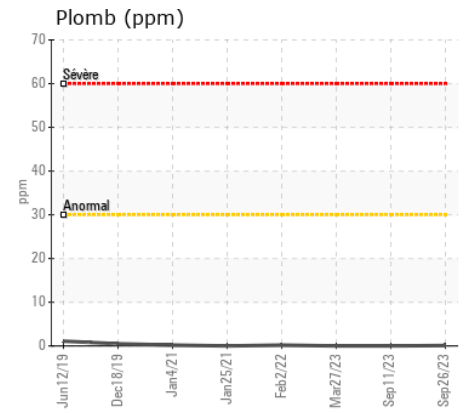
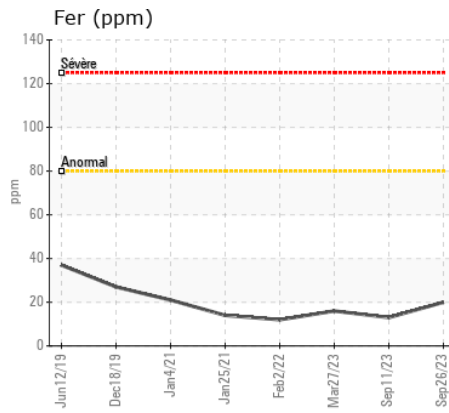
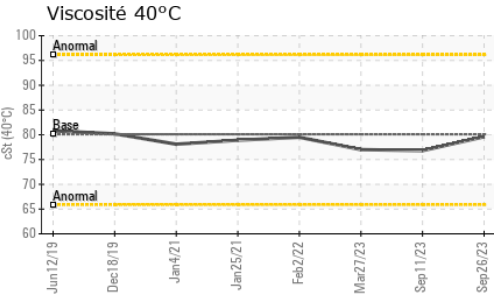
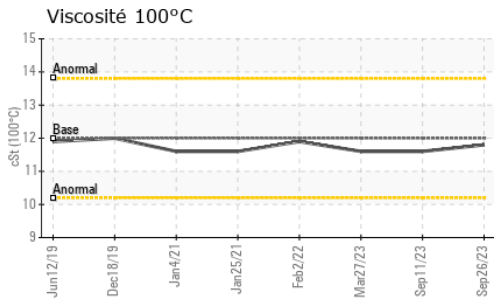
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	5	6	7
Potassium	ppm	ASTM D5185(m)	>20	16	3	7
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	0.0
% de suie	%	ASTM D7844*	>3	0.5	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	9.1	7.1	8.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.7	19.0	21.7
Limon	scalar	Visual*	NONE	VLITE	---	NONE
Débris	scalar	Visual*	NONE	NONE	---	NONE
Saleté	scalar	Visual*	NONE	NONE	---	NONE
Apparence	scalar	Visual*	NORML	NORML	---	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
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	3	3
Bore	ppm	ASTM D5185(m)	2	4	3	2
Baryum	ppm	ASTM D5185(m)	0	<1	<1	0
Molybdène	ppm	ASTM D5185(m)	50	62	59	61
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	949	955	976
Calcium	ppm	ASTM D5185(m)	1050	1129	1049	1167
Phosphore	ppm	ASTM D5185(m)	995	1008	1007	1107
Zinc	ppm	ASTM D5185(m)	1180	1219	1176	1208
Soufre	ppm	ASTM D5185(m)	2600	2383	2506	2682
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.4	14.6	15.4
Visc 40°C	cSt	ASTM D7279(m)	80.1	79.6	76.8	77.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.8	11.6	11.6
Indice de viscosité (VI)	Scale	ASTM D2270*	144	141	144	143



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0058965
N° de laboratoire : 02591621
Numéro unique : 5668700
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual)

Reçu : 25 Oct 2023
Diagnostiqué : 25 Oct 2023
Diagnostiqueur : Kevin Marson

LOCATION BROSSARD INC
 2190 HYMUS
 DORVAL, QC
 CA H9P 1J7
 Contact: Jean Sebastien Vachon
 jsvachon@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.

T: x
 F: x