



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

FREIGHTLINER 3990

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		PC0083902	PC0065869	PC0054167
Date d'échant.		Client Info		05 Dec 2023	18 Jan 2023	07 Mar 2022
Âge d la Machine	hrs	Client Info		189206	134394	89700
Âge de l'huile	hrs	Client Info		28831	28887	28243
Âge du filtre	hrs	Client Info		28831	28887	28243
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)	>100	25	23	31
Chrome	ppm	ASTM D5185(m)	>20	3	5	5
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	<1	0
Argent	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	12	18	19
Plomb	ppm	ASTM D5185(m)	>40	0	<1	2
Cuivre	ppm	ASTM D5185(m)	>330	11	21	58
Étain	ppm	ASTM D5185(m)	>15	2	2	4
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	VLITE	NONE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

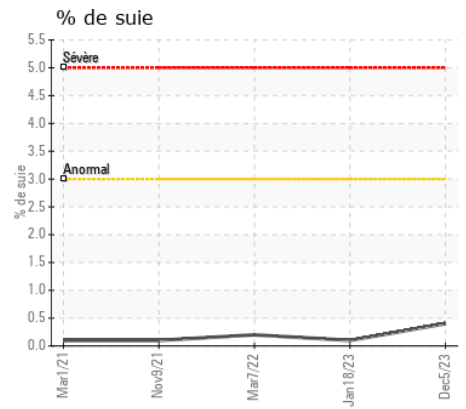
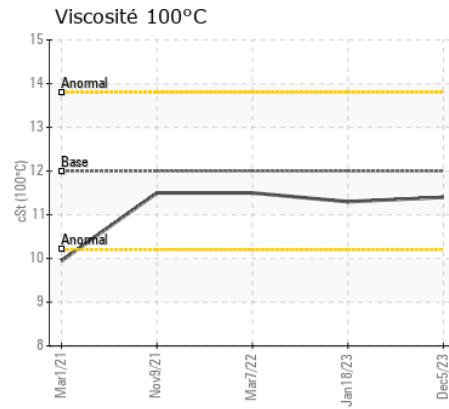
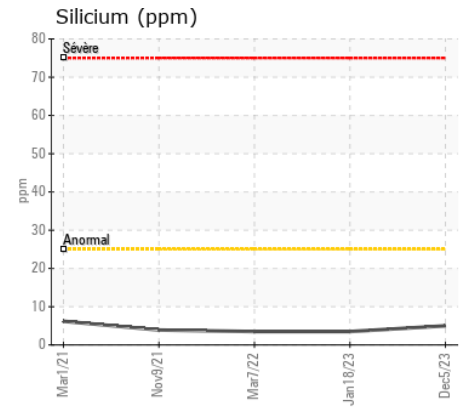
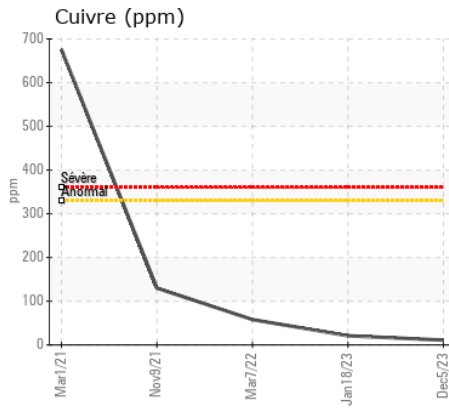
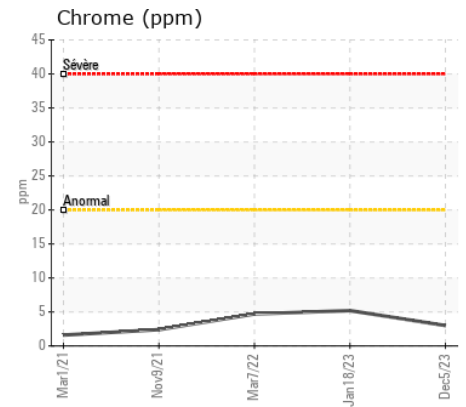
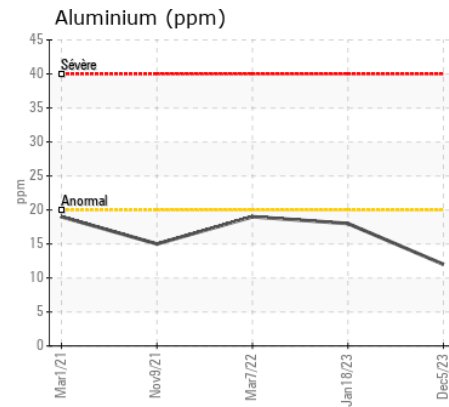
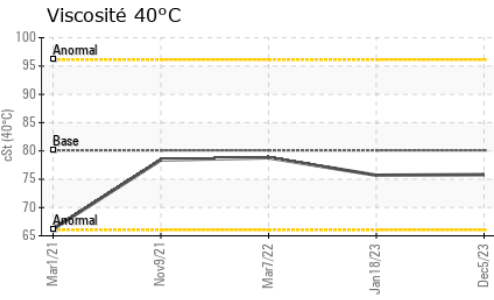
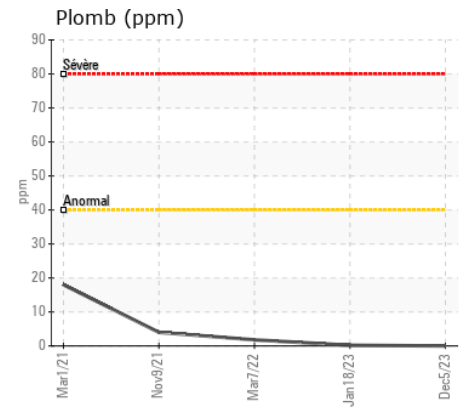
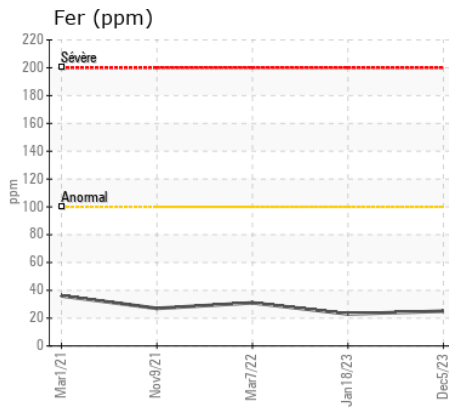
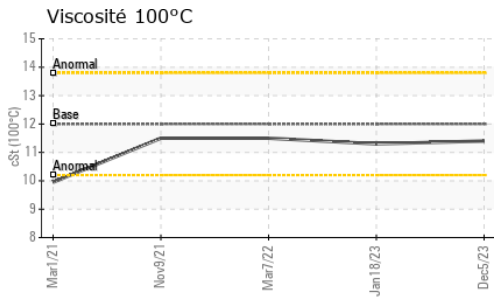
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	5	4	4
Potassium	ppm	ASTM D5185(m)	>20	21	36	41
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	0.4	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.9	9.0	9.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.1	21.6	21.4
Limon	scalar	Visual*	NONE	NONE	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)		2	2	2
Bore	ppm	ASTM D5185(m)	2	1	1	2
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	59	61	58
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	966	989	1011
Calcium	ppm	ASTM D5185(m)	1050	1071	1162	1113
Phosphore	ppm	ASTM D5185(m)	995	998	1060	972
Zinc	ppm	ASTM D5185(m)	1180	1177	1235	1223
Soufre	ppm	ASTM D5185(m)	2600	2515	2399	2117
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.9	16.6	17.0
Visc 40°C	cSt	ASTM D7279(m)	80.1	75.8	75.7	78.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.4	11.3	11.5
Indice de viscosité (VI)	Scale	ASTM D2270*	144	142	140	137



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0083902 **Reçu** : 17 Jan 2024
N° de laboratoire : 02609251 **Diagnostiqué** : 18 Jan 2024
Numéro unique : 5710337 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual)

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