



USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>



Identité de la machine  
**MACK 3692**  
 Composant  
**Moteur diesel**  
 Fluide  
**PETRO CANADA DURON SHP 10W30 (40 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		<b>PC0058975</b>	PC0065897	PC0054101
Date d'échant.		Client Info		<b>27 Sep 2023</b>	07 Mar 2023	11 Mar 2022
Âge d la Machine	kms	Client Info		<b>281045</b>	300196	254852
Âge de l'huile	kms	Client Info		<b>26193</b>	19151	25267
Âge du filtre	kms	Client Info		<b>26193</b>	19151	25267
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

**USURE**

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

Fer	ppm	ASTM D5185(m)	>120	<b>20</b>	21	19
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>4</b>	4	4
Plomb	ppm	ASTM D5185(m)	>40	<b>3</b>	2	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>7</b>	10	8
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

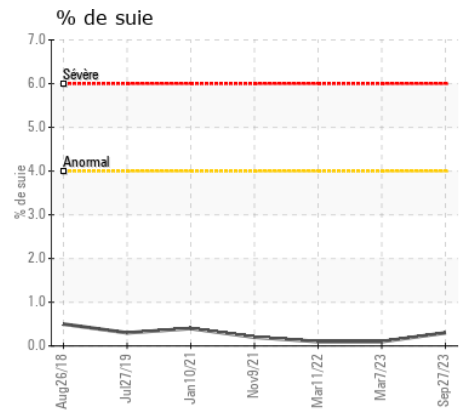
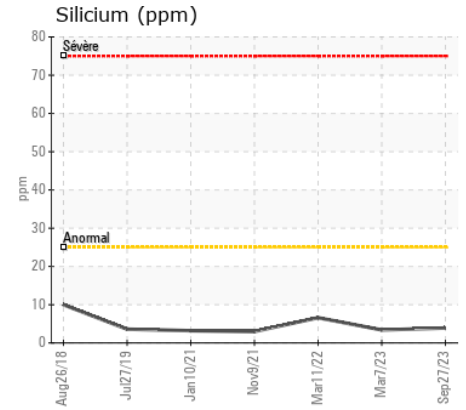
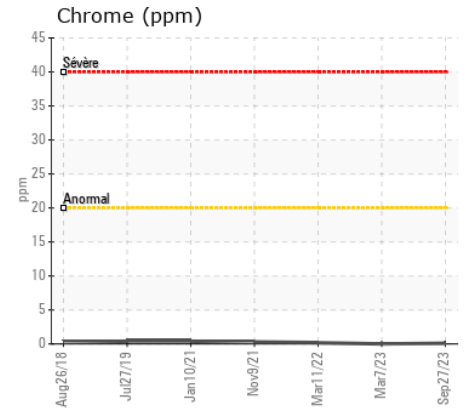
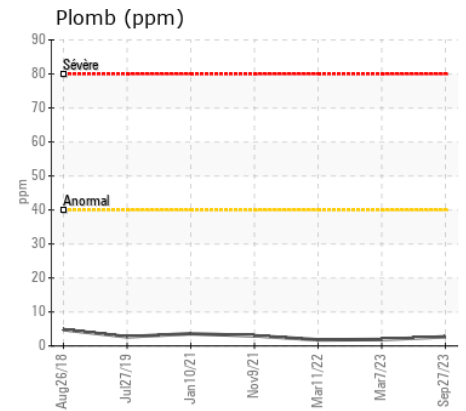
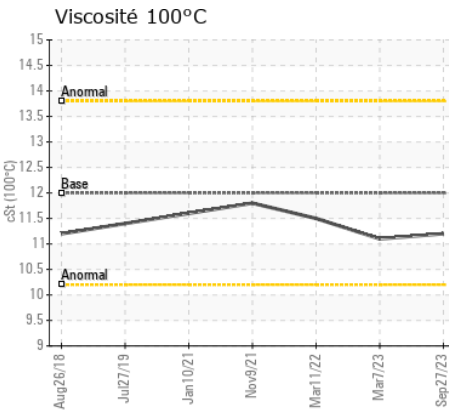
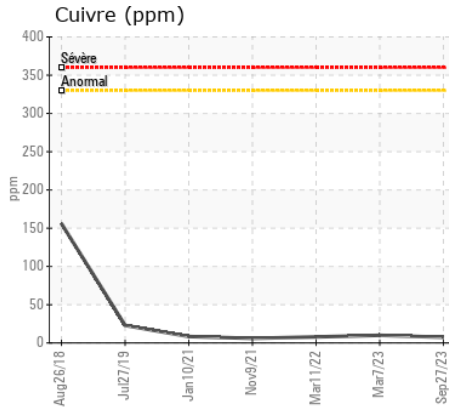
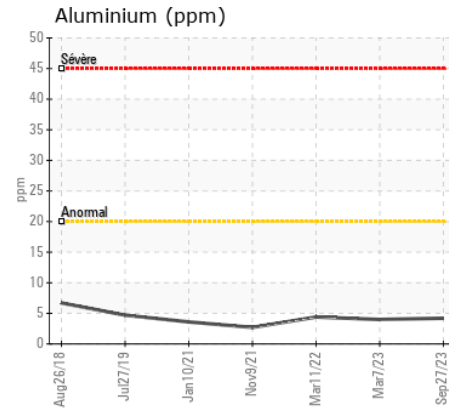
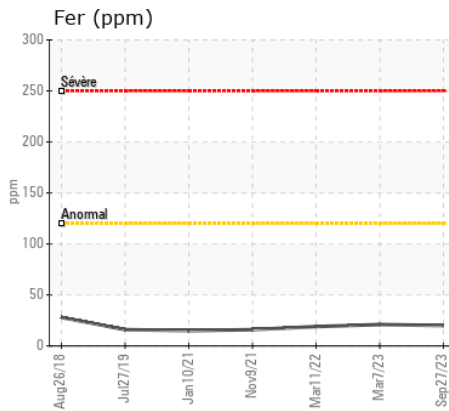
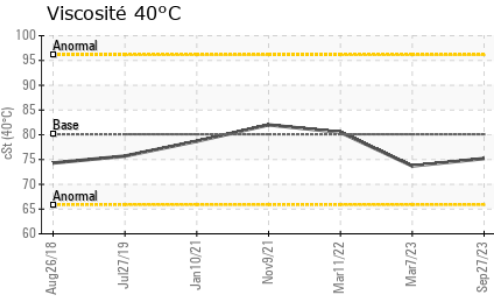
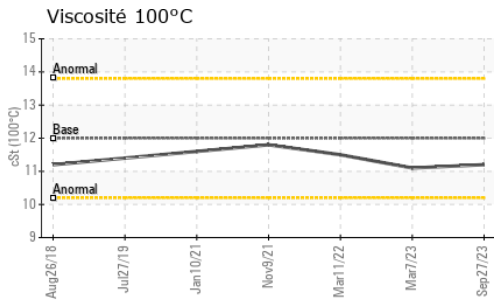
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	7
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	3
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>4	<b>0.3</b>	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	8.2	9.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.6</b>	22.1	22.0
Limon	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

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

Sodium	ppm	ASTM D5185(m)		<b>6</b>	3	4
Bore	ppm	ASTM D5185(m)	2	<b>3</b>	5	9
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>61</b>	60	66
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>948</b>	912	780
Calcium	ppm	ASTM D5185(m)	1050	<b>1099</b>	1147	1366
Phosphore	ppm	ASTM D5185(m)	995	<b>971</b>	1042	1009
Zinc	ppm	ASTM D5185(m)	1180	<b>1177</b>	1150	1209
Soufre	ppm	ASTM D5185(m)	2600	<b>2374</b>	2519	2692
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.8</b>	15.4	15.8
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>75.2</b>	73.7	80.5
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.1	11.5
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>139</b>	141	134



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0058975 **Reçu** : 25 Oct 2023  
**N° de laboratoire** : 02591625 **Diagnostiqueur** : Kevin Marson  
**Numéro unique** : 5668704 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

**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.