



Identité de la machine  
**MACK 3956**

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		<b>PC0072131</b>	PC0066152	PC0059049
Date d'échant.		Client Info		<b>09 Aug 2023</b>	22 Feb 2023	25 Jul 2022
Âge d la Machine	kms	Client Info		<b>279960</b>	244541	204824
Âge de l'huile	kms	Client Info		<b>35479</b>	39667	29499
Âge du filtre	kms	Client Info		<b>35479</b>	39667	29499
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)	>100	<b>47</b>	29	15
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	<1
Titane	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>6</b>	9	8
Plomb	ppm	ASTM D5185(m)	>40	<b>2</b>	2	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>18</b>	14	9
Étain	ppm	ASTM D5185(m)	>15	<b>1</b>	2	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

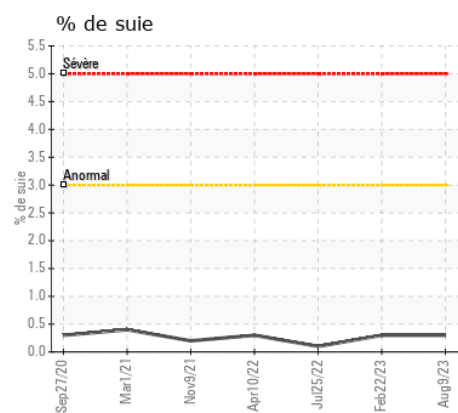
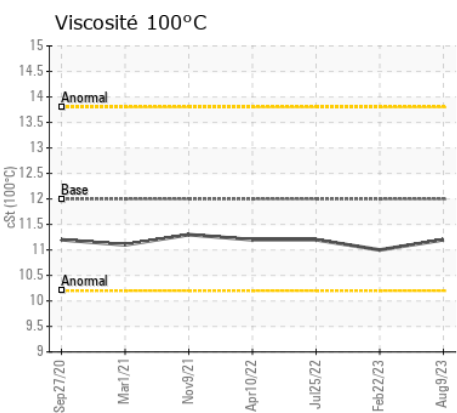
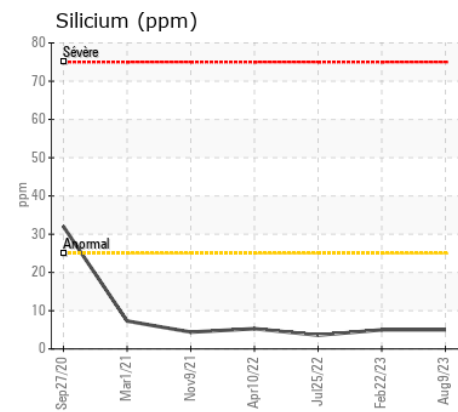
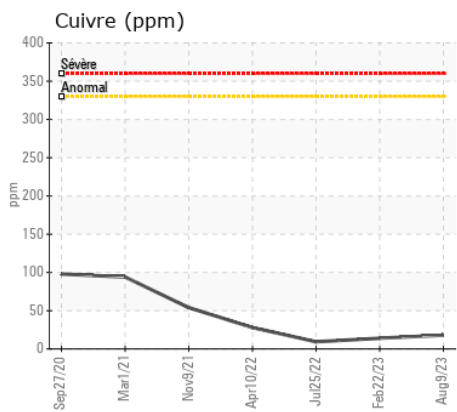
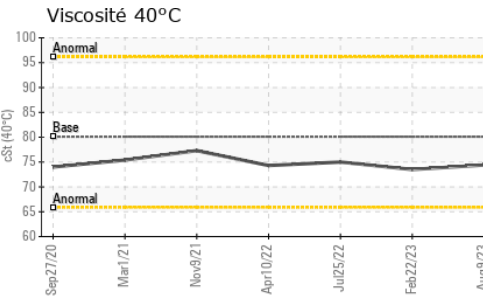
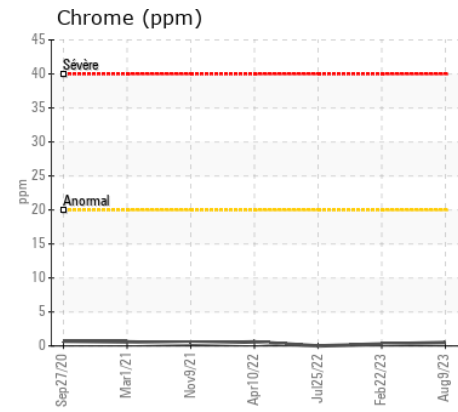
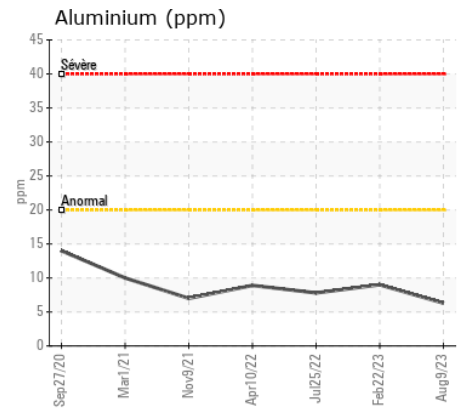
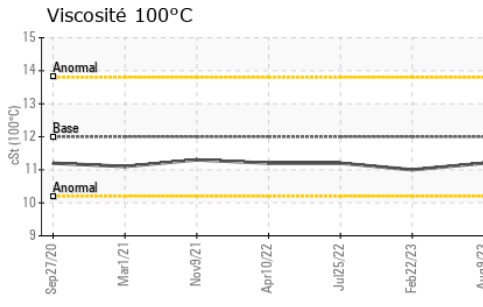
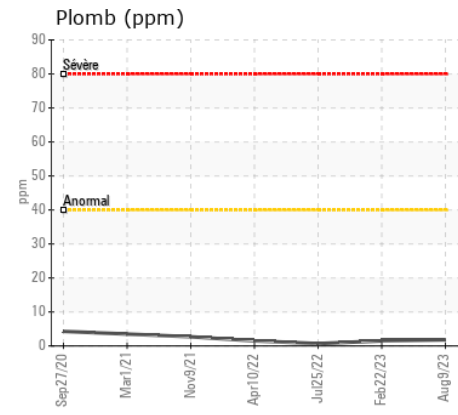
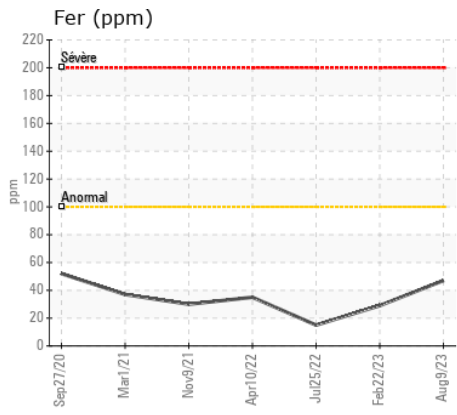
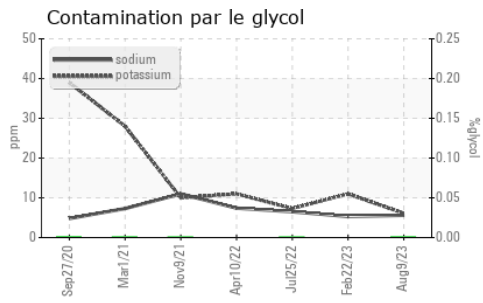
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	5	4
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	11	7
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	0.0
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.3</b>	10.1	8.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>21.0</b>	23.0	20.7
Limon	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
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>	5	6
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	2	2
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>61</b>	62	58
Manganèse	ppm	ASTM D5185(m)	0	<b>1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>971</b>	895	954
Calcium	ppm	ASTM D5185(m)	1050	<b>1057</b>	1185	1124
Phosphore	ppm	ASTM D5185(m)	995	<b>991</b>	971	1047
Zinc	ppm	ASTM D5185(m)	1180	<b>1175</b>	1158	1192
Soufre	ppm	ASTM D5185(m)	2600	<b>2335</b>	2440	2528
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.0</b>	17.2	15.8
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>74.4</b>	73.5	75.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.0	11.2
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>141</b>	139	140



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0072131 **Reçu** : 15 Sep 2023  
**N° de laboratoire** : 02582770 **Diagnostiqué** : 15 Sep 2023  
**Numéro unique** : 5643835 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: Glycol, 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.