



Identité de la machine  
**MACK 3948**

Composant  
**Moteur diesel**

Fluide  
**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		<b>PC0072529</b>	PC0065903	PC0059214
Date d'échant.		Client Info		<b>14 Sep 2023</b>	06 Mar 2023	27 Apr 2022
Âge d la Machine	kms	Client Info		<b>324351</b>	272827	191057
Âge de l'huile	kms	Client Info		<b>51524</b>	66802	38434
Âge du filtre	kms	Client Info		<b>51524</b>	66802	38434
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>97</b>	53	51
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>8</b>	6	7
Plomb	ppm	ASTM D5185(m)	>40	<b>4</b>	2	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>29</b>	21	19
Étain	ppm	ASTM D5185(m)	>15	<b>1</b>	<1	2
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**

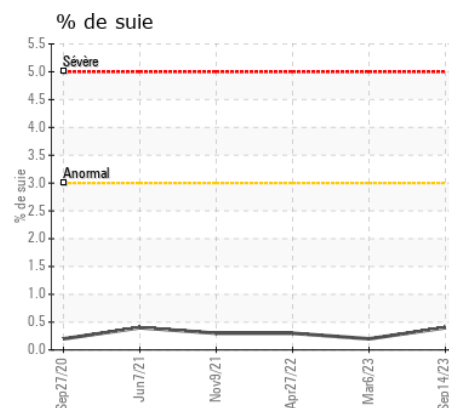
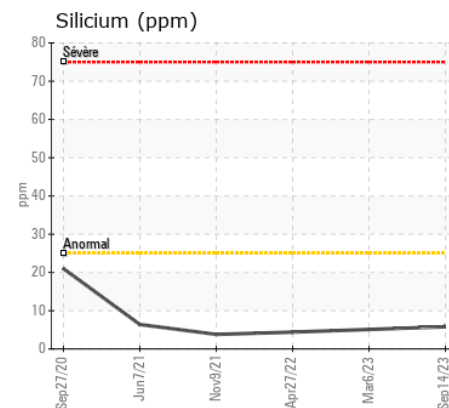
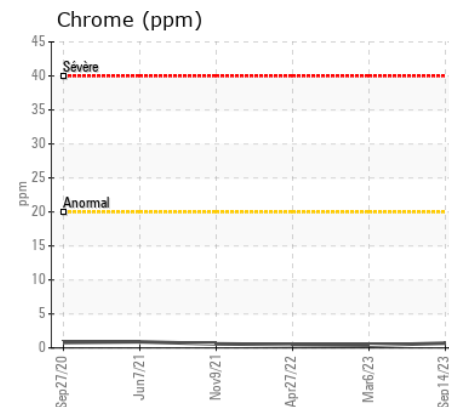
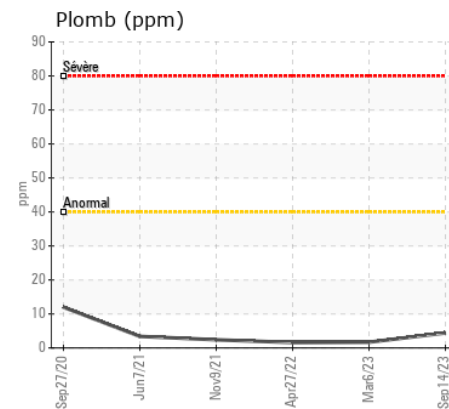
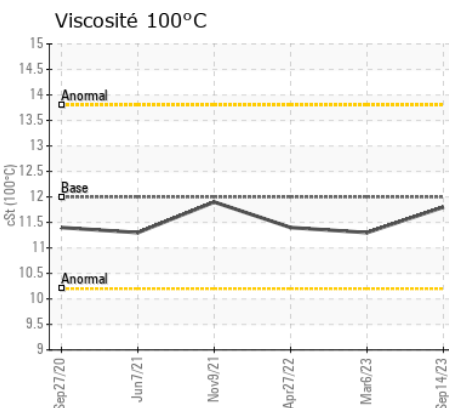
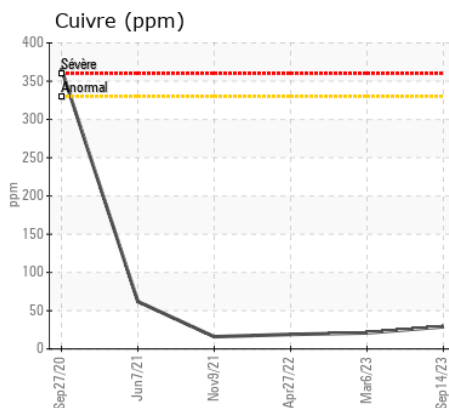
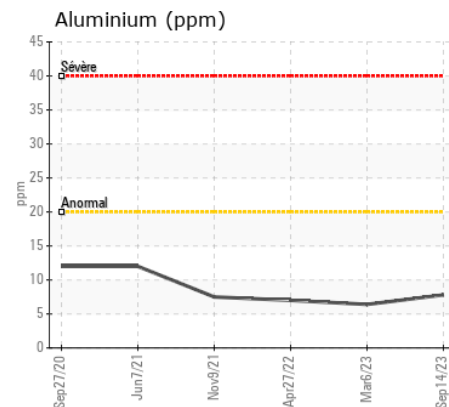
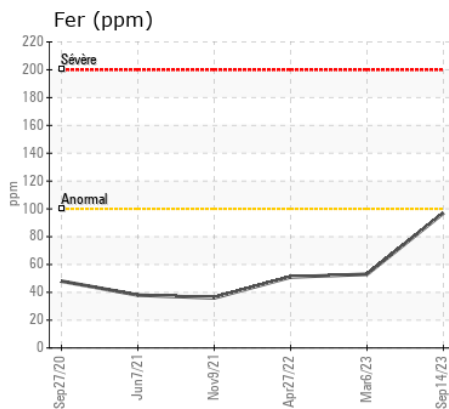
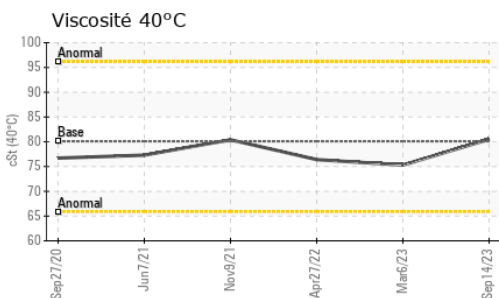
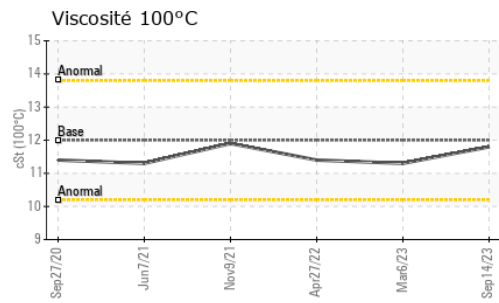
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	5	4
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	6	8
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.4</b>	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.1</b>	10.3	10.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>24.2</b>	23.3	23.3
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	VLITE
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Saleté	scalar	Visual*	NONE	<b>LIGHT</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>7</b>	5	6
Bore	ppm	ASTM D5185(m)	2	<b>6</b>	7	2
Baryum	ppm	ASTM D5185(m)	0	<b>1</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	50	<b>67</b>	63	60
Manganèse	ppm	ASTM D5185(m)	0	<b>2</b>	1	1
Magnésium	ppm	ASTM D5185(m)	950	<b>817</b>	848	956
Calcium	ppm	ASTM D5185(m)	1050	<b>1239</b>	1223	1102
Phosphore	ppm	ASTM D5185(m)	995	<b>903</b>	1045	932
Zinc	ppm	ASTM D5185(m)	1180	<b>1165</b>	1154	1183
Soufre	ppm	ASTM D5185(m)	2600	<b>2336</b>	2655	2451
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>20.2</b>	17.6	17.9
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>80.5</b>	75.3	76.4
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.8</b>	11.3	11.4
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>139</b>	141	140



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0072529 **Reçu** : 25 Oct 2023  
**N° de laboratoire** : 02591659 **Diagnostiqué** : 25 Oct 2023  
**Numéro unique** : 5668738 **Diagnostiqueur** : Wes Davis  
**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.

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