



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



Identité de la machine

**410016**

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>GFL0087677</b>	GFL0079507	GFL0079415
Date d'échant.		Client Info		<b>06 Jul 2023</b>	13 Apr 2023	27 Mar 2023
Âge d la Machine	hrs	Client Info		<b>4981</b>	147107	143435
Âge de l'huile	hrs	Client Info		<b>600</b>	600	0
Âge du filtre	hrs	Client Info		<b>600</b>	0	0
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	N/A	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)	>80	<b>8</b>	4	9
Chrome	ppm	ASTM D5185(m)	>5	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>30	<b>6</b>	2	5
Plomb	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>150	<b>18</b>	10	25
Étain	ppm	ASTM D5185(m)	>5	<b>2</b>	<1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

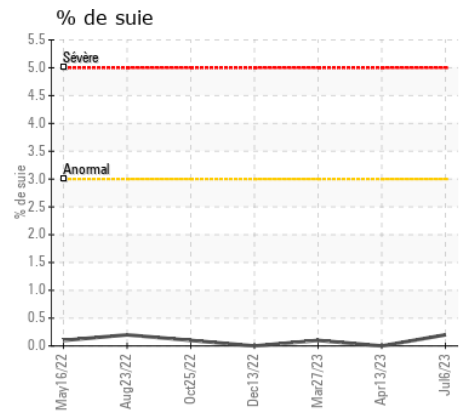
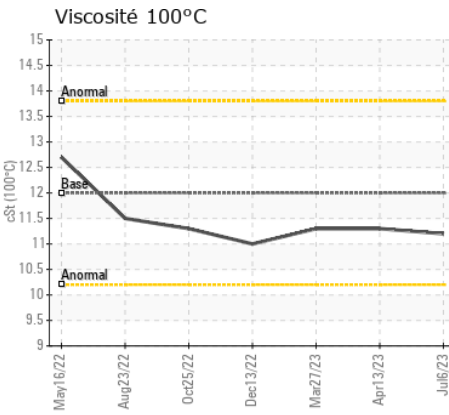
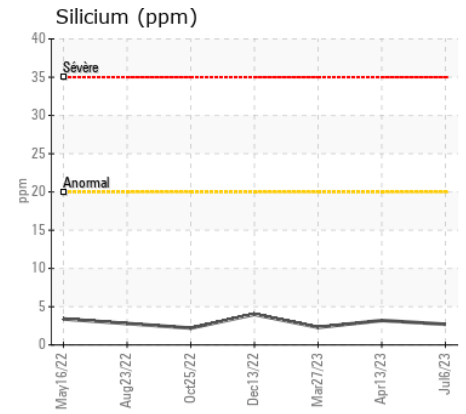
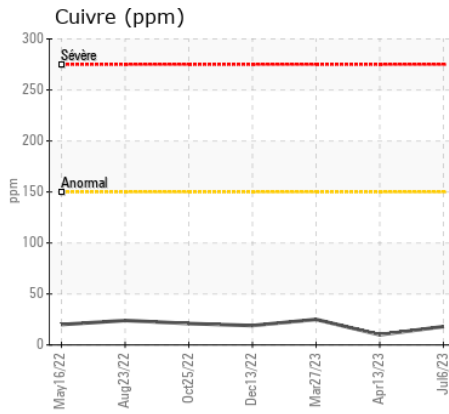
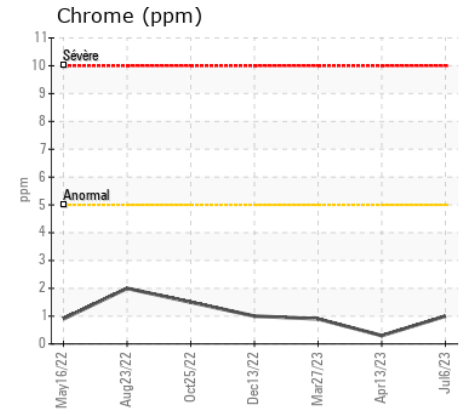
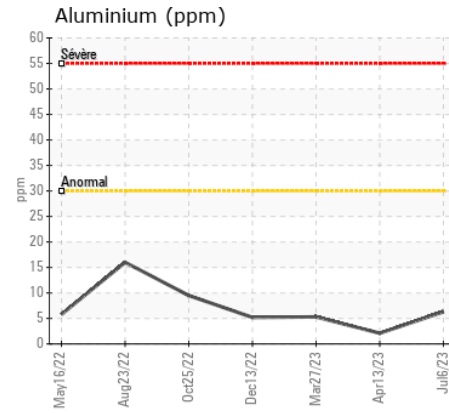
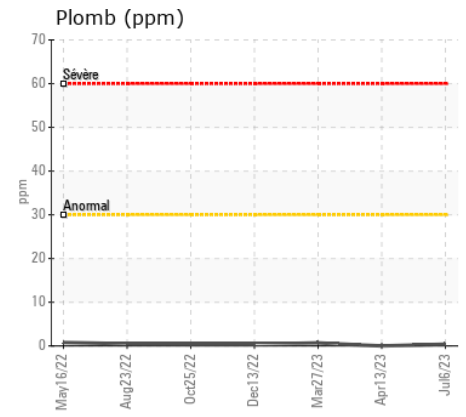
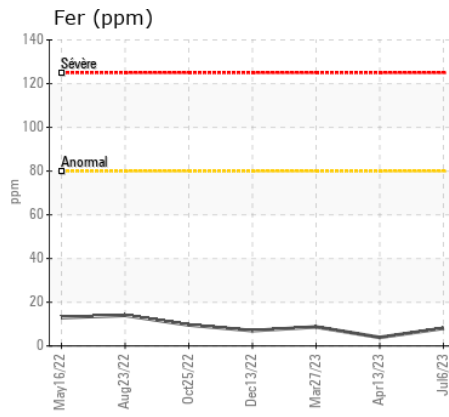
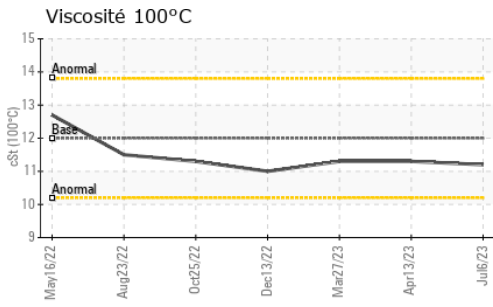
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	2
Potassium	ppm	ASTM D5185(m)	>20	<b>10</b>	2	7
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>0.2</b>	0	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.6</b>	5.0	6.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.1</b>	18.0	21.9
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>2</b>	1	1
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	2	3
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>59</b>	60	58
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>982</b>	964	933
Calcium	ppm	ASTM D5185(m)	1050	<b>1072</b>	1105	1150
Phosphore	ppm	ASTM D5185(m)	995	<b>1082</b>	1112	1065
Zinc	ppm	ASTM D5185(m)	1180	<b>1226</b>	1205	1168
Soufre	ppm	ASTM D5185(m)	2600	<b>2480</b>	2700	2538
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.4</b>	13.2	14.7
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.3	11.3



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste  
**N° d'échantillon** : GFL0087677 **Reçu** : 11 Jul 2023  
**N° de laboratoire** : 02569004 **Diagnostic** : 11 Jul 2023  
**Numéro unique** : 5606050 **Diagnostic** : Wes Davis  
**Analyse** : MOB 1

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.  
 Validity of results and interpretation are based on the sample and information as supplied.

4 Chemin du Tremblay,  
 Boucherville, QC  
 CA J4B 6Z5  
 Contact: Steve Voyer  
 svoyer@matrec.ca  
 T: (450)641-3070  
 F: