



# RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	ANORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur  
**MICHAUDVILLE**  
Identité de la machine  
**6607**

Composant  
**Moteur diesel**

Fluide  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

## RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0082093</b>	PC0072193	PC0064358
Date d'échant.		Client Info		<b>03 Dec 2023</b>	09 May 2023	09 Aug 2022
Âge d la Machine	hrs	Client Info		<b>5275</b>	5269	5095
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	N/A
Filtre changé		Client Info		<b>N/A</b>	N/A	N/A
Statut de l'échant.				<b>ABNORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>15</b>	14	20
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	2	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	1	3
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

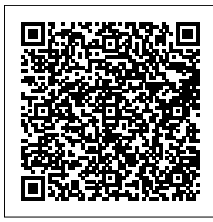
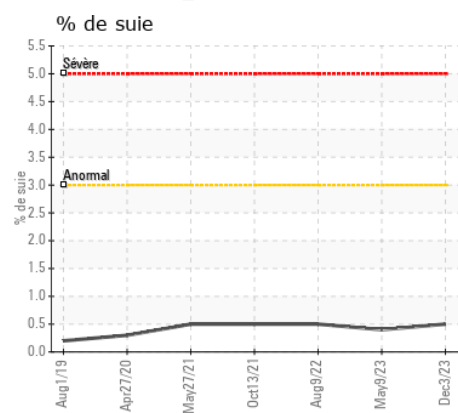
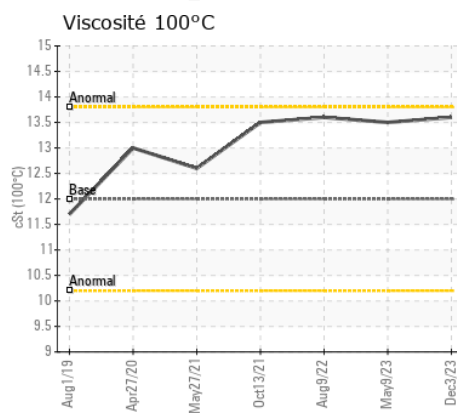
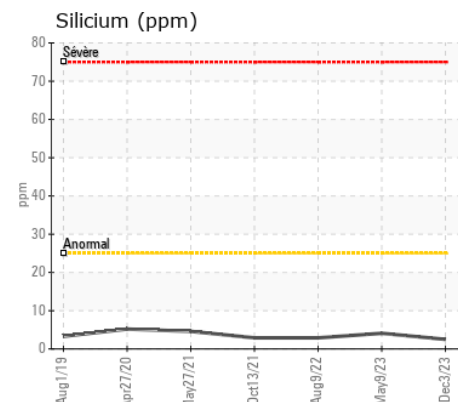
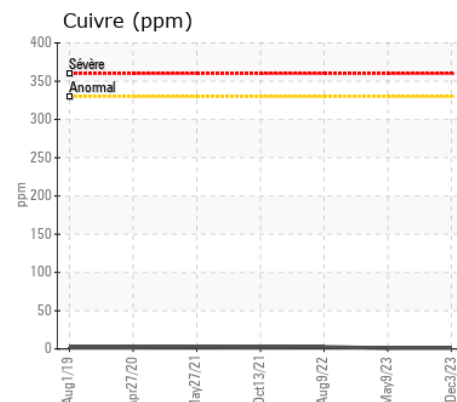
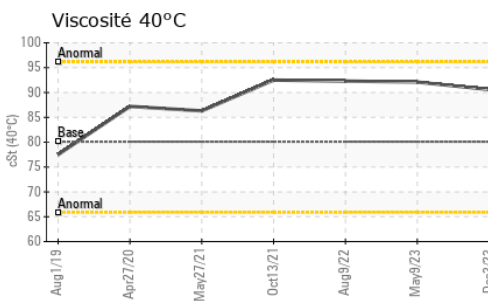
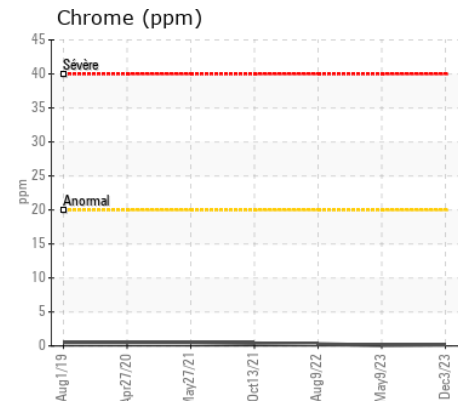
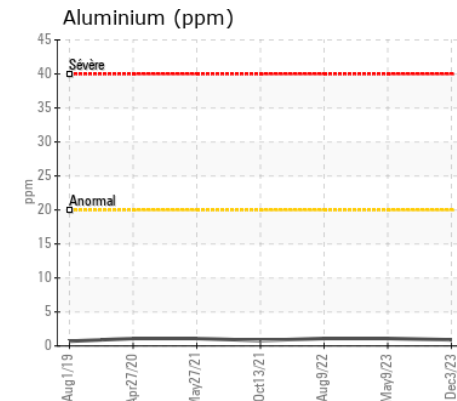
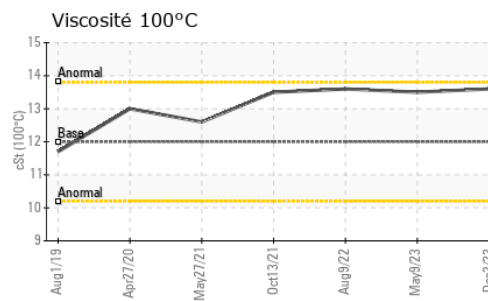
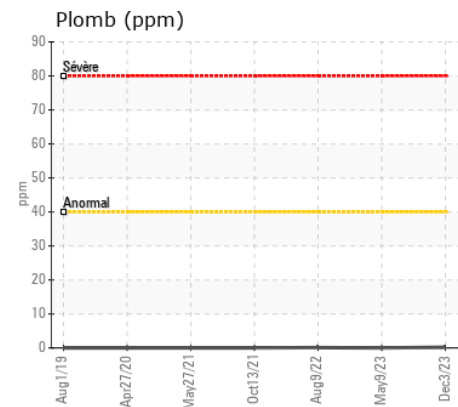
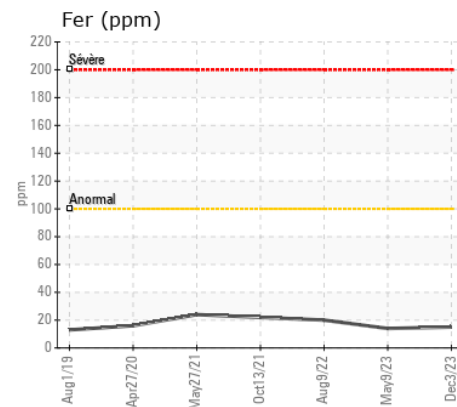
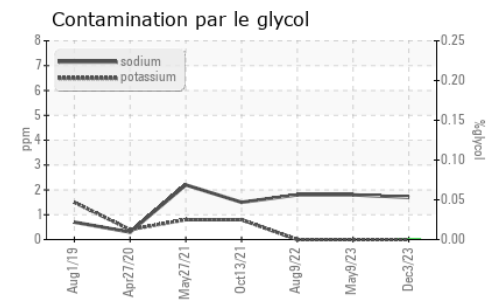
There is a moderate concentration of water present in the oil. Free water present. Test for glycol is negative.

Silicium	ppm	ASTM D5185(m)	>25	<b>2</b>	4	3
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.5</b>	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.3</b>	6.2	7.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.7</b>	18.3	19.8
Eau émulsifiée	scalar	Visual*	>0.2	<b>▲ .2%</b>	NEG	NEG

## ÉTAT DU FLUIDE

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
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>57</b>	56	60
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>947</b>	922	972
Calcium	ppm	ASTM D5185(m)	1050	<b>1082</b>	1153	1143
Phosphore	ppm	ASTM D5185(m)	995	<b>990</b>	1060	993
Zinc	ppm	ASTM D5185(m)	1180	<b>1178</b>	1167	1221
Soufre	ppm	ASTM D5185(m)	2600	<b>2540</b>	2616	2725
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>13.9</b>	13.2	14.7
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>90.6</b>	92.1	92.3
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>13.6</b>	13.5	13.6
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>152</b>	147	149



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.  
**N° d'échantillon** : PC0082093 **Reçu** : 04 Dec 2023  
**N° de laboratoire** : 02600390 **Diagnostiqué** : 05 Dec 2023  
**Numéro unique** : 5685470 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: Glycol, KV40, VI )  
 270 RUE BRUNET  
 MONT ST-HILAIRE, QC  
 CA J3H 0M6  
 Contact: Martin Trudel  
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 T:  
 F:

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.