



# RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**MICHAUDVILLE**  
Identité de la machine  
**1209**

Composant  
**Moteur diesel**

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

## RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

## USURE

All component wear rates are normal.

## CONTAMINATION

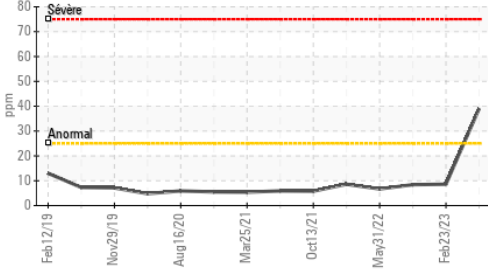
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is a moderate concentration of dirt present in the oil.

## ÉTAT DU FLUIDE

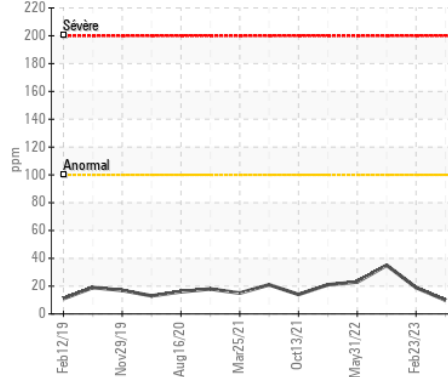
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0075869</b>	PC0071965	PC0065083
Date d'échant.		Client Info		<b>10 Oct 2023</b>	23 Feb 2023	28 Sep 2022
Âge d la Machine	hrs	Client Info		<b>17362</b>	16531	15994
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
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Fer	ppm	ASTM D5185(m)	>100	<b>10</b>	19	35
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>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>6</b>	4	4
Plomb	ppm	ASTM D5185(m)	>40	<b>3</b>	2	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
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Silicium	ppm	ASTM D5185(m)	>25	<b>▲ 39</b>	9	8
Potassium	ppm	ASTM D5185(m)	>20	<b>18</b>	7	3
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</b>	0	0.7
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.4</b>	8.6	9.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.7</b>	22.4	23.8
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
<hr/>						
Sodium	ppm	ASTM D5185(m)		<b>4</b>	5	6
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	2	5
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>59</b>	61	55
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>953</b>	992	883
Calcium	ppm	ASTM D5185(m)	1050	<b>1183</b>	1238	1374
Phosphore	ppm	ASTM D5185(m)	995	<b>1043</b>	1147	1118
Zinc	ppm	ASTM D5185(m)	1180	<b>1253</b>	1256	1232
Soufre	ppm	ASTM D5185(m)	2600	<b>2633</b>	2724	2721
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>20.7</b>	17.1	18.7
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>88.2</b>	91.3	85.9
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>13.1</b>	13.2	12.7
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>148</b>	144	145

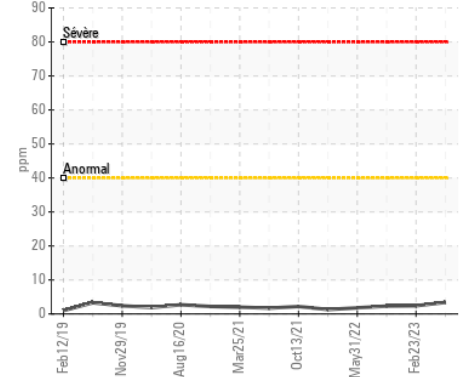
### ▲ Silicium (ppm)



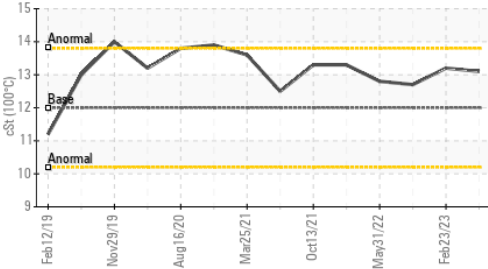
### Fer (ppm)



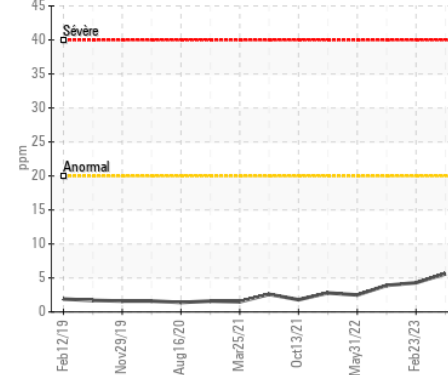
### Plomb (ppm)



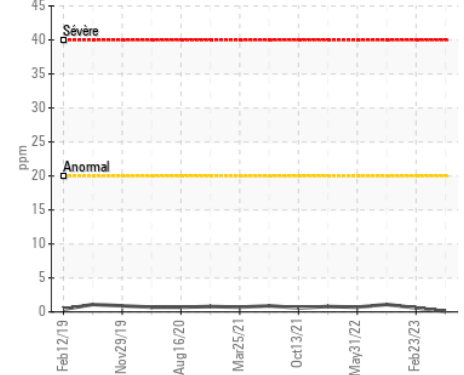
### Viscosité 100°C



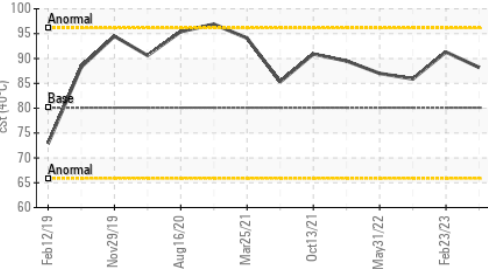
### Aluminium (ppm)



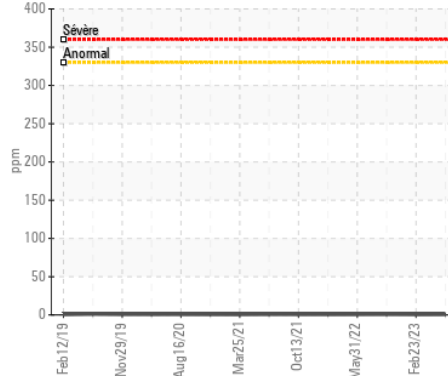
### Chrome (ppm)



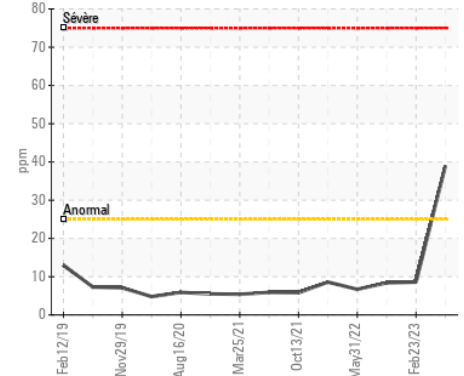
### Viscosité 40°C



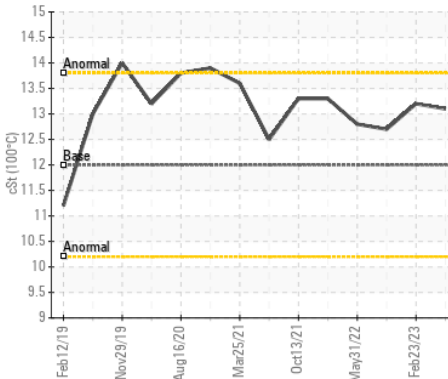
### Cuivre (ppm)



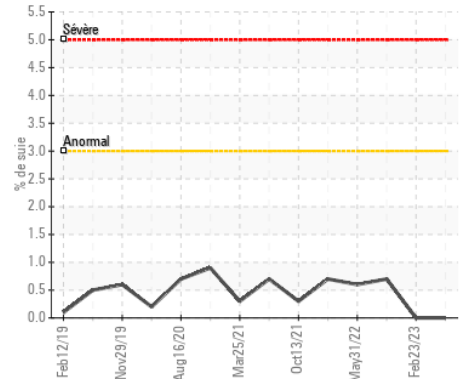
### ▲ Silicium (ppm)



### Viscosité 100°C



### % de suie



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0075869 **Reçu** : 11 Oct 2023 270 RUE BRUNET  
**N° de laboratoire** : 02588106 **Diagnostiqué** : 11 Oct 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5657172 **Diagnostiqueur** : Kevin Marson CA J3H 0M6  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI) Contact: Martin Trudel

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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