



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**5000 Series**

Identité de la machine

**AUTOCAR 5012**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA DURON SHP 10W30 (16 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0836037</b>	WC0813029	WC0682645
Date d'échant.		Client Info		<b>04 Sep 2023</b>	19 Jun 2023	03 Jun 2022
Âge d la Machine	hrs	Client Info		<b>0</b>	14935	14936
Âge de l'huile	hrs	Client Info		<b>645</b>	0	888
Âge du filtre	hrs	Client Info		<b>0</b>	0	888
Huile changée		Client Info		<b>N/A</b>	N/A	Changed
Filtre changé		Client Info		<b>N/A</b>	N/A	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>130	<b>28</b>	25	49
Chrome	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>4</b>	12	6
Plomb	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	2
Cuivre	ppm	ASTM D5185(m)	>125	<b>1</b>	4	<1
Étain	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

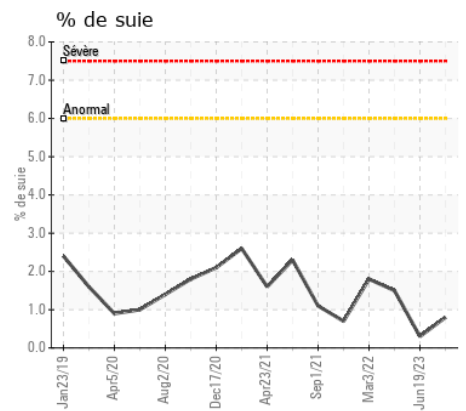
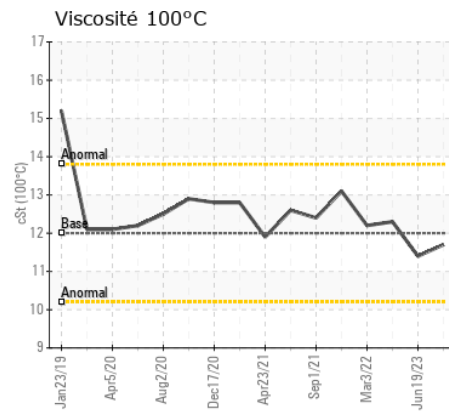
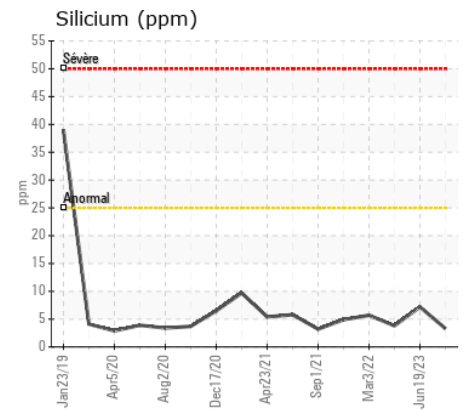
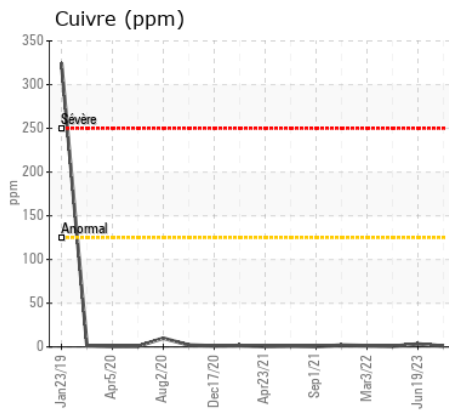
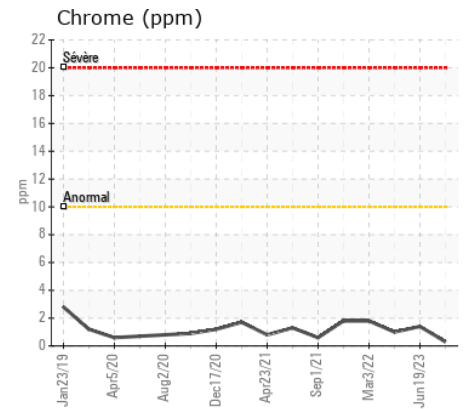
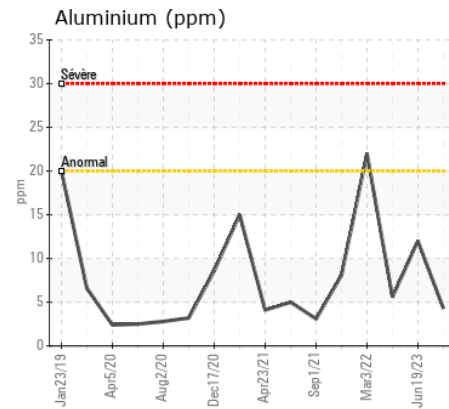
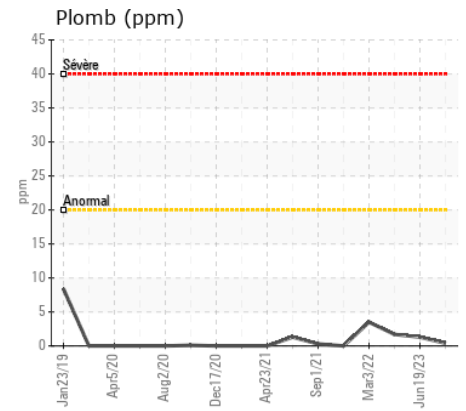
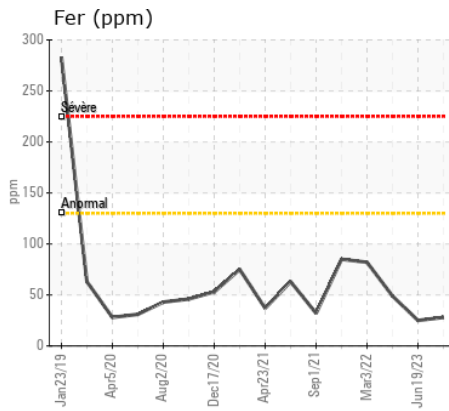
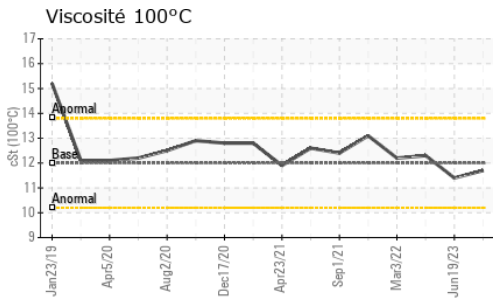
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	7	4
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	24	<1
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>6	<b>0.8</b>	0.3	1.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.9</b>	9.6	13.7
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.4</b>	21.7	26.1
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	6	1
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	50	<b>58</b>	63	57
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>946</b>	995	936
Calcium	ppm	ASTM D5185(m)	1050	<b>1082</b>	1131	1185
Phosphore	ppm	ASTM D5185(m)	995	<b>1026</b>	1096	1002
Zinc	ppm	ASTM D5185(m)	1180	<b>1197</b>	1249	1258
Soufre	ppm	ASTM D5185(m)	2600	<b>2472</b>	2512	2551
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>19.0</b>	16.8	22.7
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	11.4	12.3



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0836037  
**N° de laboratoire** : 02589201  
**Numéro unique** : 5658267  
**Analyse** : MOB 1

**Reçu** : 16 Oct 2023  
**Diagnostiqueur** : Wes Davis

**MANITOU LIN TRANSPORT**  
 1890 DES SOURCES BOULEVARD  
 POINTE CLAIRE, QC  
 CA H9R 5B1  
 Contact: Eric Marcelin  
 emarcelin@manitoulintransport.com  
 T: (514)694-5111  
 F: (514)694-9739

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.