



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**3299**

Composant

**Moteur diesel**

Fluide

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

## RECOMMENDATION

Resample at the next service interval to monitor. 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>WC0857906</b>	WC0813033	WC0813005
Date d'échant.		Client Info		<b>14 Sep 2023</b>	23 Jun 2023	12 May 2023
Âge d la Machine	mls	Client Info		<b>253585</b>	230917	208381
Âge de l'huile	mls	Client Info		<b>22684</b>	208381	23231
Âge du filtre	mls	Client Info		<b>22684</b>	22536	23231
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

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>28</b>	18	19
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>25</b>	8	6
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

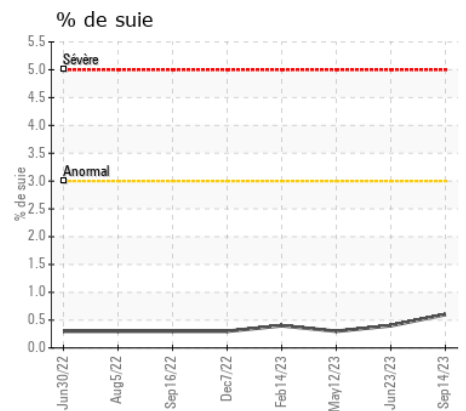
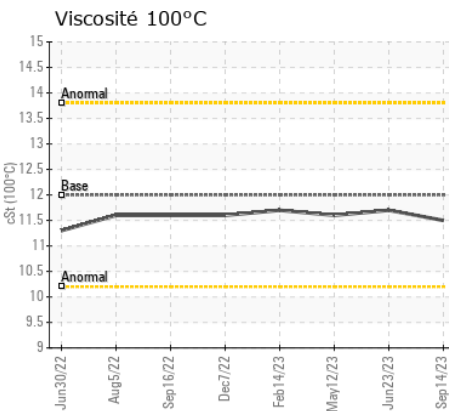
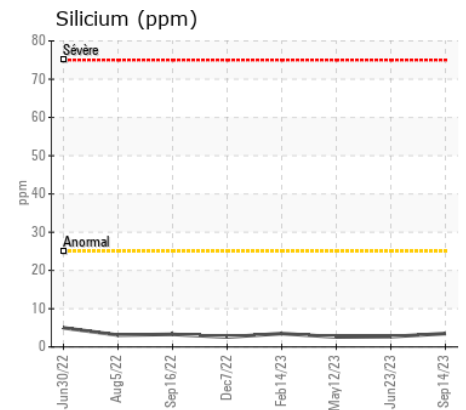
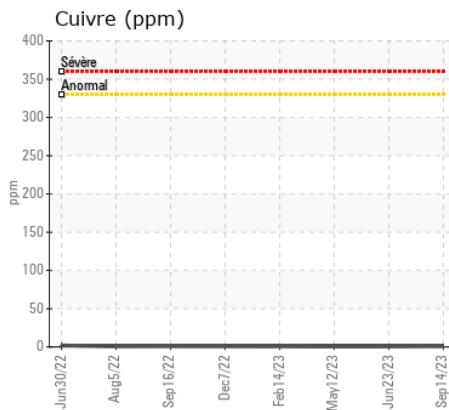
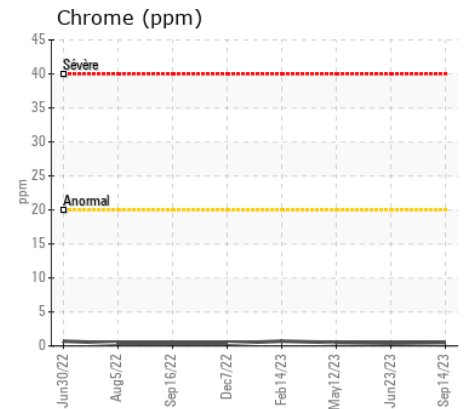
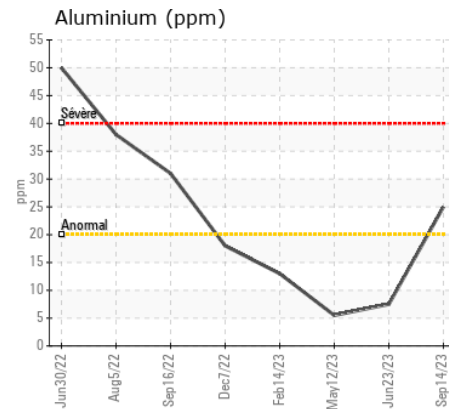
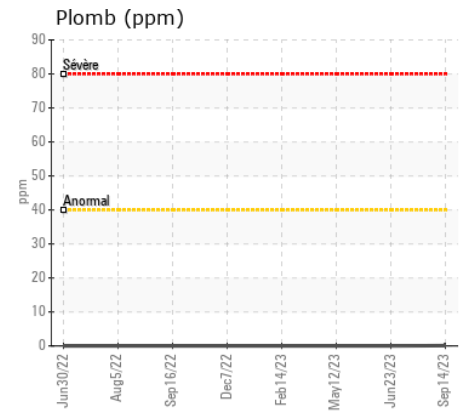
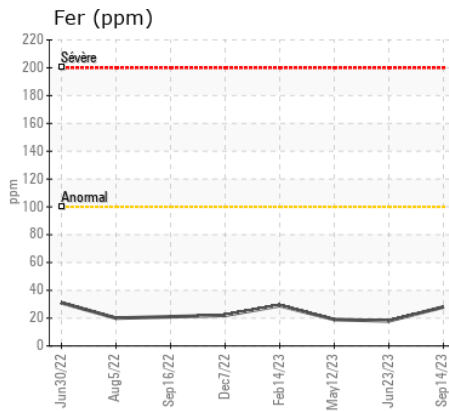
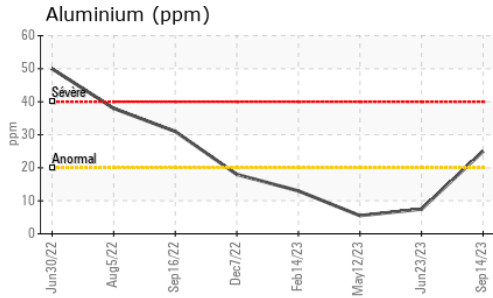
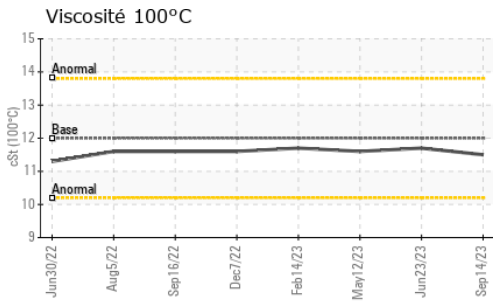
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>32</b>	6	2
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	0.0	NEG
% de suie	%	ASTM D7844*	>3	<b>0.6</b>	0.4	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.1</b>	10.3	9.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.3</b>	22.2	20.7
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>	4	4
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>62</b>	66	62
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>1014</b>	1086	1037
Calcium	ppm	ASTM D5185(m)	1050	<b>1154</b>	1150	1118
Phosphore	ppm	ASTM D5185(m)	995	<b>1045</b>	1155	1098
Zinc	ppm	ASTM D5185(m)	1180	<b>1268</b>	1315	1272
Soufre	ppm	ASTM D5185(m)	2600	<b>2459</b>	2672	2547
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>19.7</b>	17.9	17.1
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.5</b>	11.7	11.6



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0857906  
**N° de laboratoire** : 02589200  
**Numéro unique** : 5658266  
**Analyse** : MOB 1

**MANITOU LIN TRANSPORT**

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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.