



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**52000 series**

Identité de la machine

**FREIGHTLINER 52952**

Composant

**Moteur diesel**

Fluid

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

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0929487</b>	WC0889970	WC0836024
Date d'échant.		Client Info		<b>08 Jun 2024</b>	22 Dec 2023	16 Aug 2023
Âge d la Machine	mls	Client Info		<b>140867</b>	34854	40668
Âge de l'huile	mls	Client Info		<b>32981</b>	34854	40688
Âge du filtre	mls	Client Info		<b>32981</b>	34854	40688
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)	>200	<b>27</b>	34	70
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	2	5
Nickel	ppm	ASTM D5185(m)	>2	<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>	0	<1
Aluminium	ppm	ASTM D5185(m)	>30	<b>5</b>	16	63
Plomb	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	2	6
Cuivre	ppm	ASTM D5185(m)	>30	<b>52</b>	96	241
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	1	5
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

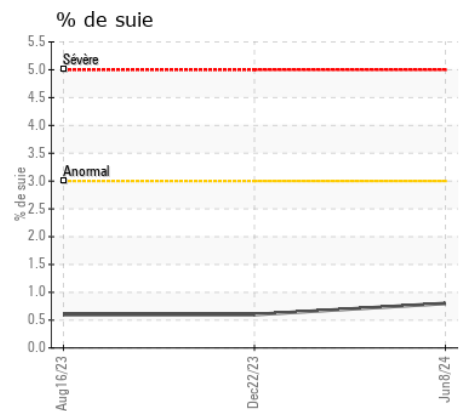
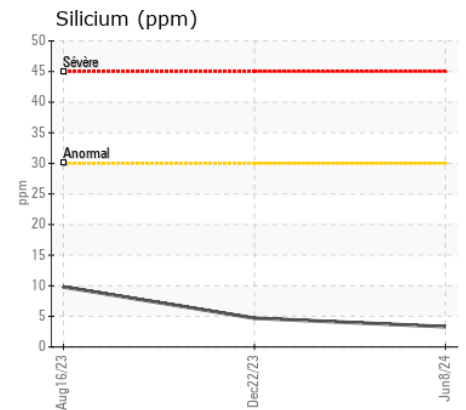
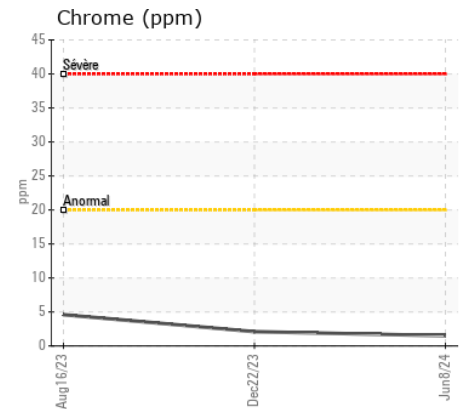
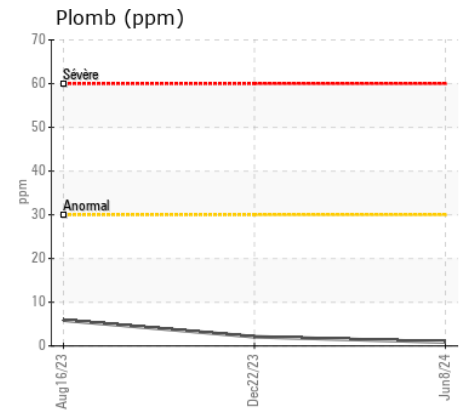
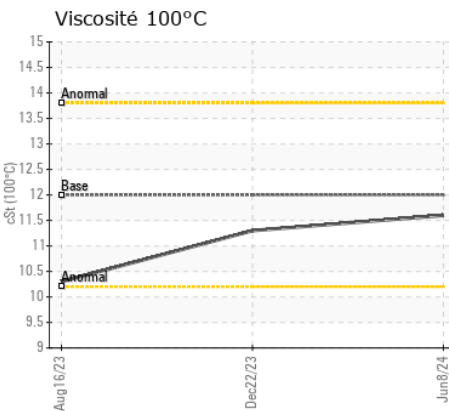
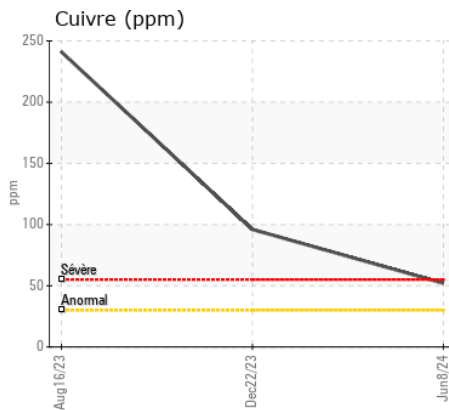
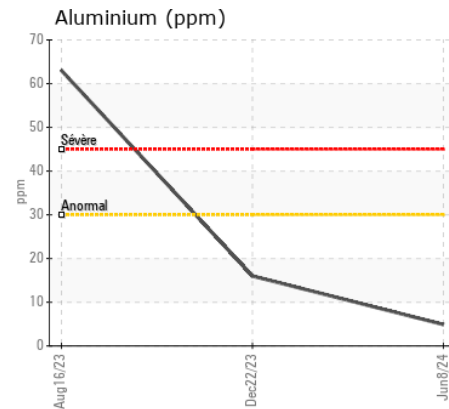
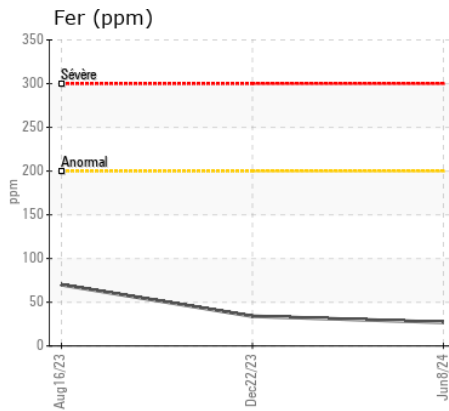
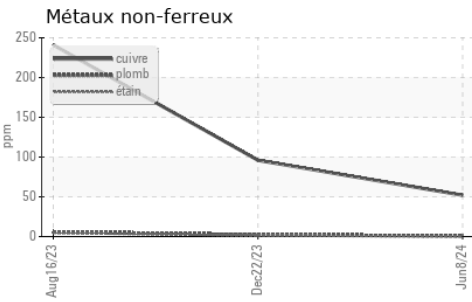
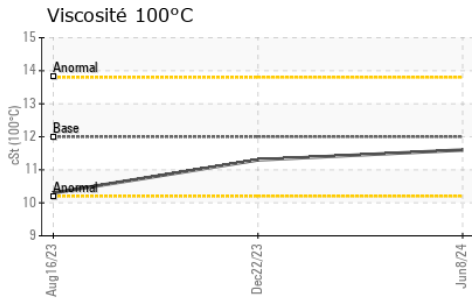
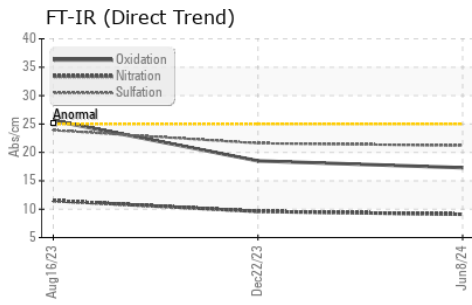
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>30	<b>3</b>	5	10
Potassium	ppm	ASTM D5185(m)	>20	<b>7</b>	31	156
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.8</b>	0.6	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.1</b>	9.6	11.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>21.2</b>	21.6	23.9
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>1</b>	2	8
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	4	28
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	50	<b>59</b>	56	42
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	6
Magnésium	ppm	ASTM D5185(m)	950	<b>930</b>	854	512
Calcium	ppm	ASTM D5185(m)	1050	<b>1058</b>	1201	1765
Phosphore	ppm	ASTM D5185(m)	995	<b>888</b>	811	733
Zinc	ppm	ASTM D5185(m)	1180	<b>1138</b>	1058	854
Soufre	ppm	ASTM D5185(m)	2600	<b>1833</b>	1848	1572
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.3</b>	18.5	25.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.6</b>	11.3	10.3



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0929487  
**N° de laboratoire** : 02642855  
**Numéro unique** : 5800394  
**Analyse** : MOB 1

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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.