



# RAPPORT D'ANALYSE D'HUILE

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



Secteur  
**Equipment d'urgence/Salle de la Generatrice**  
Identité de la machine  
**13C02A Generatrice d'Urgence (S/N 67B01864)**  
Composant  
**Moteur diesel**  
Fluid  
**PETRO CANADA DURON MARINE SAE 30 (138 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0878517</b>	WC0751406	WC0751412
Date d'échant.		Client Info		<b>19 Mar 2024</b>	25 Oct 2023	03 Apr 2023
Âge d la Machine	hrs	Client Info		<b>3079</b>	0	3070
Âge de l'huile	hrs	Client Info		<b>0</b>	53	0
Âge du filtre	hrs	Client Info		<b>0</b>	5	0
Huile changée		Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Filtre changé		Client Info		<b>Not Chngd</b>	N/A	N/A
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	<1
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>7</b>	6	4
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

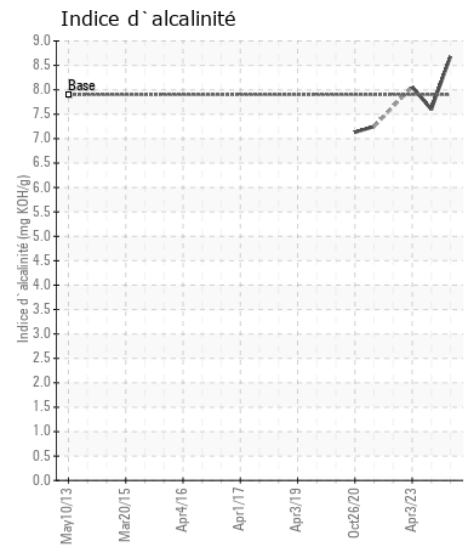
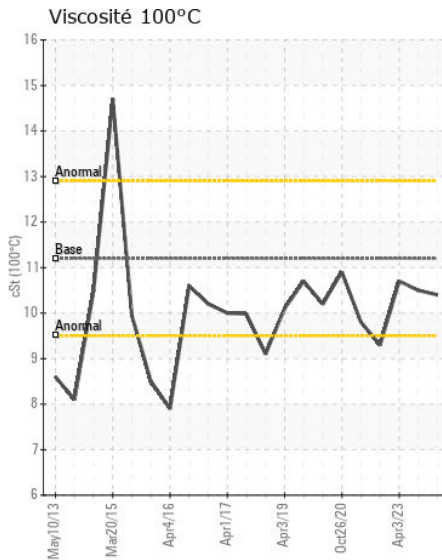
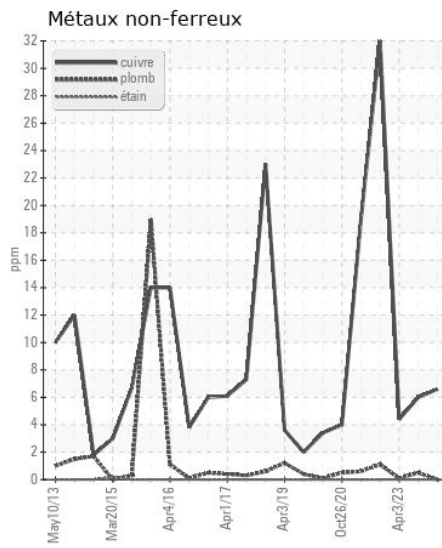
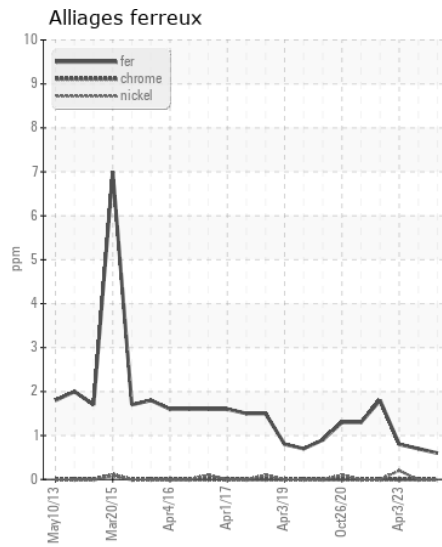
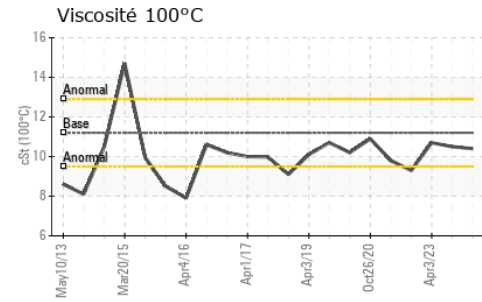
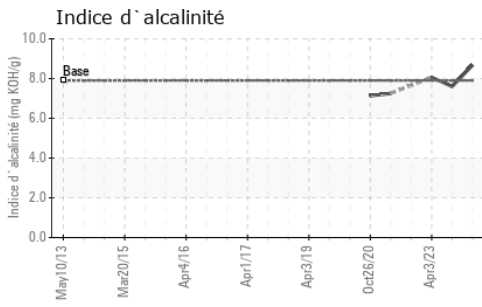
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	1.8
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</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>3.0</b>	2.9	2.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>12.1</b>	12.2	12.0
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Bore	ppm	ASTM D5185(m)	1.0	<b>&lt;1</b>	2	2
Baryum	ppm	ASTM D5185(m)	1.0	<b>0</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	1.0	<b>13</b>	13	9
Manganèse	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	15	<b>827</b>	828	872
Calcium	ppm	ASTM D5185(m)	2540	<b>1160</b>	1147	1171
Phosphore	ppm	ASTM D5185(m)	1000	<b>1044</b>	1065	1192
Zinc	ppm	ASTM D5185(m)	1110	<b>1198</b>	1216	1267
Soufre	ppm	ASTM D5185(m)	3700	<b>2560</b>	2626	2775
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>5.6</b>	5.6	5.4
Indice d'alcalinité	mg KOH/g	ASTM D2896*	7.9	<b>8.68</b>	7.60	8.06
Visc 100°C	cSt	ASTM D7279(m)	11.2	<b>10.4</b>	10.5	10.7



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0878517  
**N° de laboratoire** : 02624160  
**Numéro unique** : 5749279  
**Analyse** : MAR 2

**Reçu** : 25 Mar 2024  
**Tested** : 26 Mar 2024  
**Diagnostiqué** : 26 Mar 2024 - Kevin Marson

**Canadian Coast Guard**  
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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.