



# RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL



Secteur  
**Equipment d'urgence/Salle de la Generatrice**  
Identité de la machine  
**13C02A Generatrice d'Urgence (S/N 67B01864)**  
Composant  
**Moteur diesel**  
Fluide  
**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>WC0751406</b>	WC0751412	WC
Date d'échant.		Client Info		<b>25 Oct 2023</b>	03 Apr 2023	18 Oct 2022
Âge d la Machine	hrs	Client Info		<b>0</b>	3070	3058
Âge de l'huile	hrs	Client Info		<b>53</b>	0	63
Âge du filtre	hrs	Client Info		<b>5</b>	0	63
Huile changée		Client Info		<b>Not Changd</b>	N/A	N/A
Filtre changé		Client Info		<b>N/A</b>	N/A	N/A
Statut de l'échant.				<b>NORMAL</b>	NORMAL	SEVERE

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	2
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	1
Cuivre	ppm	ASTM D5185(m)	>330	<b>6</b>	4	32
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.

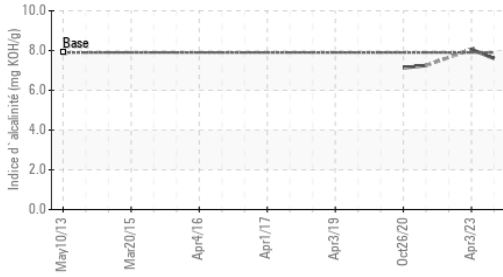
Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	6	3
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Essence		WC Method	>5	<b>&lt;1.0</b>	1.8	8.1
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>2.9</b>	2.8	3.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>12.2</b>	12.0	13.3
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

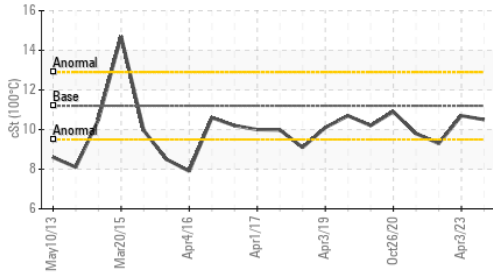
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2
Bore	ppm	ASTM D5185(m)	1.0	<b>2</b>	2	2
Baryum	ppm	ASTM D5185(m)	1.0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	1.0	<b>13</b>	9	82
Manganèse	ppm	ASTM D5185(m)	1	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	15	<b>828</b>	872	190
Calcium	ppm	ASTM D5185(m)	2540	<b>1147</b>	1171	1950
Phosphore	ppm	ASTM D5185(m)	1000	<b>1065</b>	1192	814
Zinc	ppm	ASTM D5185(m)	1110	<b>1216</b>	1267	812
Soufre	ppm	ASTM D5185(m)	3700	<b>2626</b>	2775	2000
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>5.6</b>	5.4	5.6
Indice d'alcalinité	mg KOH/g	ASTM D2896*	7.9	<b>7.60</b>	8.06	---
Visc 100°C	cSt	ASTM D7279(m)	11.2	<b>10.5</b>	10.7	9.3

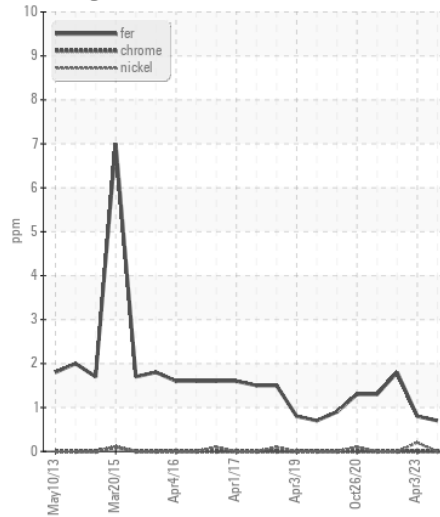
### Indice d'alcalinité



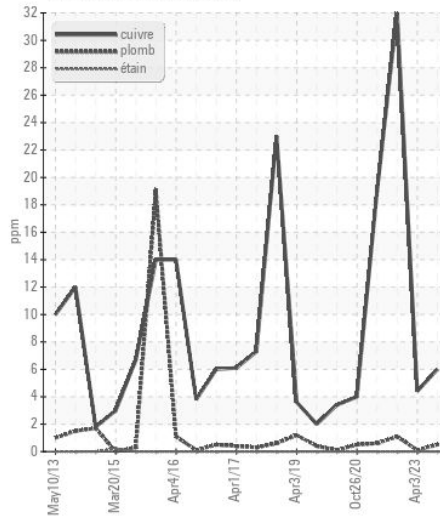
### Viscosité 100°C



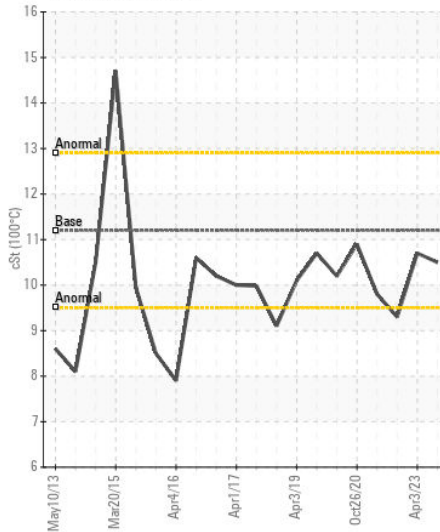
### Alliages ferreux



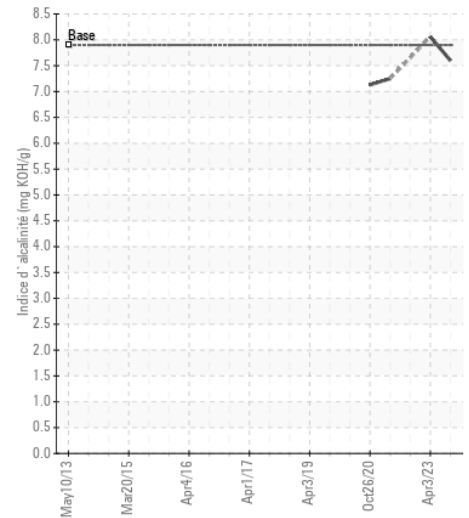
### Métaux non-ferreux



### Viscosité 100°C



### Indice d'alcalinité



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0751406  
**N° de laboratoire** : 02593080  
**Numéro unique** : 5670159  
**Analyse** : MAR 2

**Reçu** : 01 Nov 2023  
**Diagnostiqué** : 02 Nov 2023  
**Diagnostiqueur** : Kevin Marson

**Canadian Coast Guard**  
 CCGS Amundsen, 101 Boul. Champlain  
 Quebec, QC  
 CA G1K 7Y7

Contact: Chief Engineer  
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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.

F: x: