



# RAPPORT D'ANALYSE D'HUILE

USURE **NORMAL**

CONTAMINATION **MARGINAL**

ÉTAT DU FLUIDE **NORMAL**

Secteur

## Equipment de Sauvetage/Pont des Embarcations

Identité de la machine

**10B01A#01 Chaloupe de Sauvetage babord (S/N 17733/001)**

Composant

**Moteur diesel Babord**

Fluide

**MOBIL DELVAC 1 5W40 (9 LTR)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0829225</b>	WC0751410	WC
Date d'échant.		Client Info		<b>24 Oct 2023</b>	04 Apr 2023	18 Oct 2022
Âge d la Machine	hrs	Client Info		<b>0</b>	0	0
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
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>MARGINAL</b>	ABNORMAL	ATTENTION

### USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>2</b>	6	4
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>2</b>	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	1
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	4	2
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

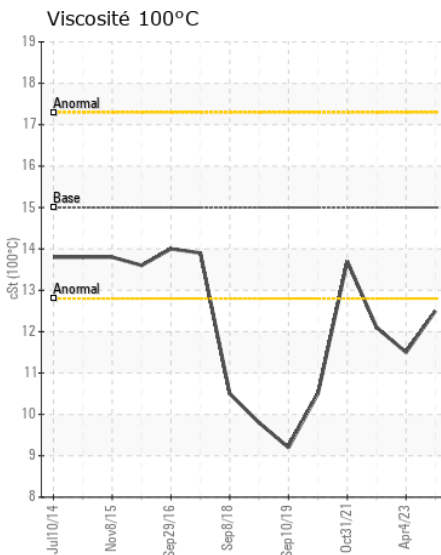
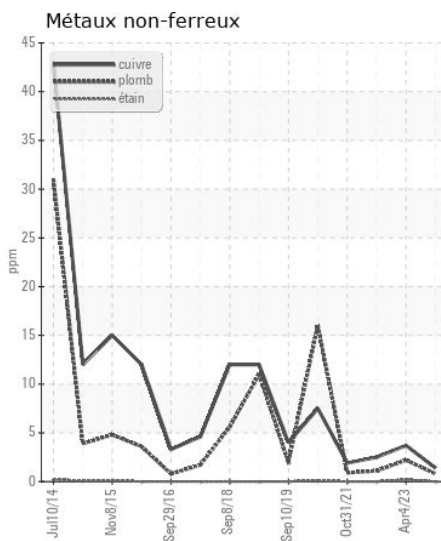
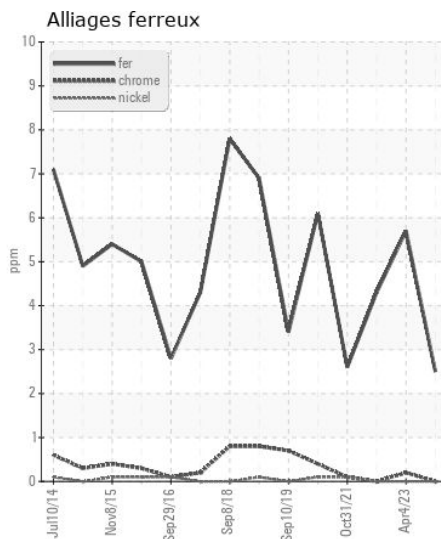
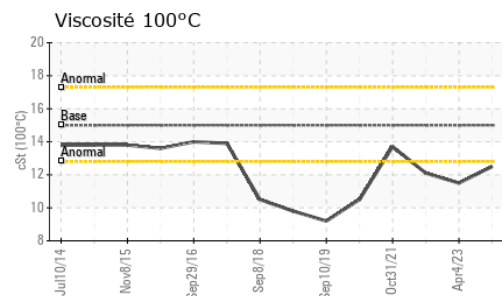
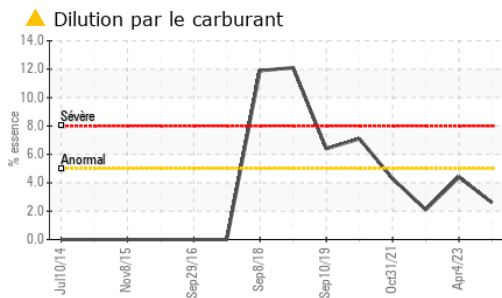
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	13	11
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Essence	%	ASTM D7593*	>5	<b>▲ 2.6</b>	<b>▲ 4.4</b>	<b>▲ 2.1</b>
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>7.2</b>	7.8	8.0
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>15.3</b>	14.2	14.9
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>	3	3
Bore	ppm	ASTM D5185(m)	291	<b>130</b>	200	205
Baryum	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	8.0	<b>40</b>	79	81
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	624	<b>460</b>	975	966
Calcium	ppm	ASTM D5185(m)	2158	<b>1692</b>	1428	1421
Phosphore	ppm	ASTM D5185(m)	1132	<b>820</b>	852	840
Zinc	ppm	ASTM D5185(m)	1300	<b>935</b>	886	<b>▲ 879</b>
Soufre	ppm	ASTM D5185(m)	3616	<b>2413</b>	2020	<b>▲ 2022</b>
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>10.3</b>	9.6	10.1
Visc 100°C	cSt	ASTM D7279(m)	15.0	<b>12.5</b>	<b>▲ 11.5</b>	12.1



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0829225  
**N° de laboratoire** : 02593140  
**Numéro unique** : 5670219  
**Analyse** : MAR 1 ( Additional Tests: FuelDilution, PercentFuel )

**Canadian Coast Guard**  
 CCGS Amundsen, 101 Boul. Champlain  
 Quebec, QC  
 CA G1K 7Y7  
 Contact: Chief Engineer  
 amundsense@ccgs-ngcc.gc.ca  
 T: (418)953-8233  
 F: x:

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.