



RAPPORT D'ANALYSE D'HUILE

| | |
|----------------|---------------|
| USURE | NORMAL |
| CONTAMINATION | NORMAL |
| ÉTAT DU FLUIDE | NORMAL |

Secteur

Equipment de Sauvetage/Pont des Embarcations

Identité de la machine

10B01A#02 Chaloupe de Sauvetage Tribord (S/N 17733/02)

Composant

Moteur diesel Tribord

Fluid

MOBIL DELVAC 1 5W40 (9 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|------|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | WC0878520 | WC0751420 | WC0751411 |
| Date d'échant. | | Client Info | | 19 Mar 2024 | 24 Oct 2023 | 04 Apr 2023 |
| Âge d la Machine | mths | Client Info | | 0 | 0 | 0 |
| Âge de l'huile | mths | Client Info | | 0 | 0 | 0 |
| Âge du filtre | mths | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | N/A | Not Changd | N/A |
| Filtre changé | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

All component wear rates are normal.

| | | | | | | |
|-------------|--------|---------------|------|--------------|------|-------|
| Fer | ppm | ASTM D5185(m) | >100 | 7 | 8 | 6 |
| Chrome | ppm | ASTM D5185(m) | >20 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | <1 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 2 | 1 | 2 |
| Plomb | ppm | ASTM D5185(m) | >40 | 10 | 19 | 8 |
| Cuivre | ppm | ASTM D5185(m) | >330 | 28 | 28 | 22 |
| Étain | ppm | ASTM D5185(m) | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | VLITE | NONE | VLITE |
| Bronze | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

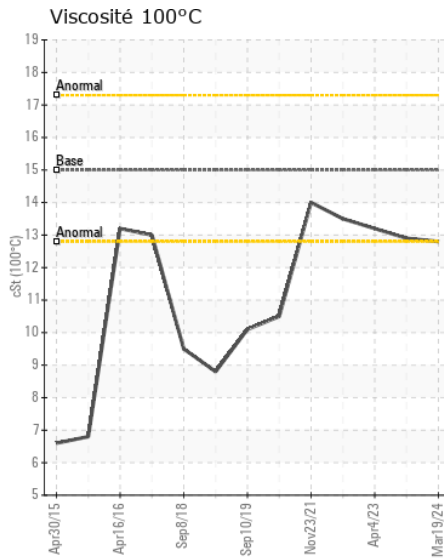
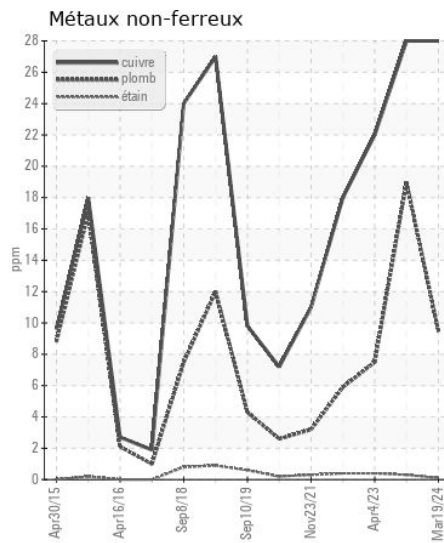
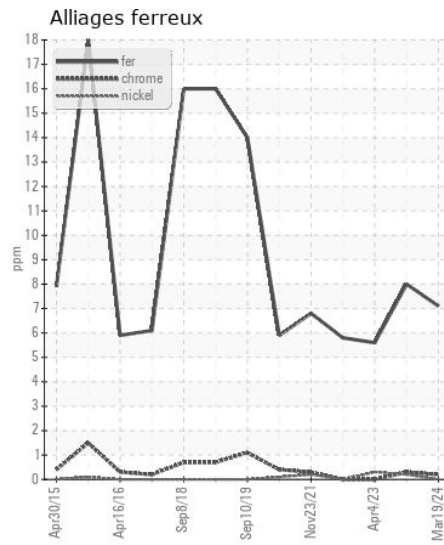
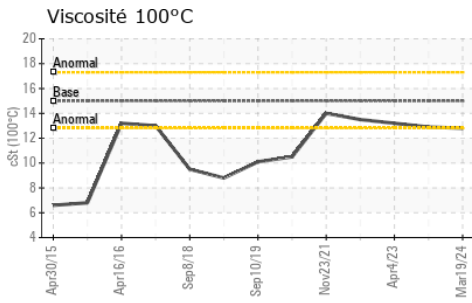
There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|-------|----------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >25 | 2 | 4 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | <1 | 1 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.4 | 6.4 | 6.2 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 19.3 | 19.4 | 19.1 |
| Limon | scalar | Visual* | NONE | NONE | NONE | NONE |
| Débris | scalar | Visual* | NONE | NONE | NONE | VLITE |
| Saleté | scalar | Visual* | NONE | NONE | NONE | NONE |
| Apparence | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|------------|----------|---------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 5 | 5 | 4 |
| Bore | ppm | ASTM D5185(m) | 291 | 145 | 148 | 159 |
| Baryum | ppm | ASTM D5185(m) | 0.0 | 0 | <1 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 8.0 | 15 | 14 | 14 |
| Manganèse | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 624 | 351 | 287 | 286 |
| Calcium | ppm | ASTM D5185(m) | 2158 | 1669 | 1730 | 1785 |
| Phosphore | ppm | ASTM D5185(m) | 1132 | 807 | 818 | 908 |
| Zinc | ppm | ASTM D5185(m) | 1300 | 913 | 907 | 912 |
| Soufre | ppm | ASTM D5185(m) | 3616 | 2427 | 2465 | 2617 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 15.2 | 15.1 | 14.8 |
| Visc 100°C | cSt | ASTM D7279(m) | 15.0 | 12.8 | 12.9 | 13.2 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0878520
N° de laboratoire : 02624157
Numéro unique : 5749276
Analyse : MAR 1

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.