



RAPPORT D'ANALYSE D'HUILE

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

Secteur

Equipment d'urgence/Salle des Machines

Identité de la machine

15J02C Compresseur d'air d'urgence Moteur (S/N 8920737)

Composant

Moteur diesel

Fluide

MOBIL DELVAC 1300 SUPER15W40 (14 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | WC0829224 | WC0751405 | WC0392729 |
| Date d'échant. | | Client Info | | 24 Oct 2023 | 03 Apr 2023 | 26 Oct 2020 |
| Âge d la Machine | hrs | Client Info | | 58 | 37 | 50 |
| Âge de l'huile | hrs | Client Info | | 36 | 37 | 50 |
| Âge du filtre | hrs | Client Info | | 36 | 0 | 50 |
| Huile changée | | Client Info | | Not Changd | Not Changd | N/A |
| Filtre changé | | Client Info | | None | None | N/A |
| Statut de l'échant. | | | | MARGINAL | NORMAL | NORMAL |

USURE

Metal levels are typical for a new component breaking in.

| | | | | | | |
|-------------|--------|---------------|------|--------------|-------|-----|
| Fer | ppm | ASTM D5185(m) | >150 | 8 | 7 | 4 |
| Chrome | ppm | ASTM D5185(m) | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >2 | 0 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | >2 | 0 | <1 | 0 |
| Argent | ppm | ASTM D5185(m) | >2 | <1 | 0 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 2 | 1 | 1 |
| Plomb | ppm | ASTM D5185(m) | >40 | <1 | <1 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >30 | 2 | 2 | 2 |
| Étain | ppm | ASTM D5185(m) | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | NONE | VLITE | --- |
| Bronze | scalar | Visual* | NONE | NONE | NONE | --- |

CONTAMINATION

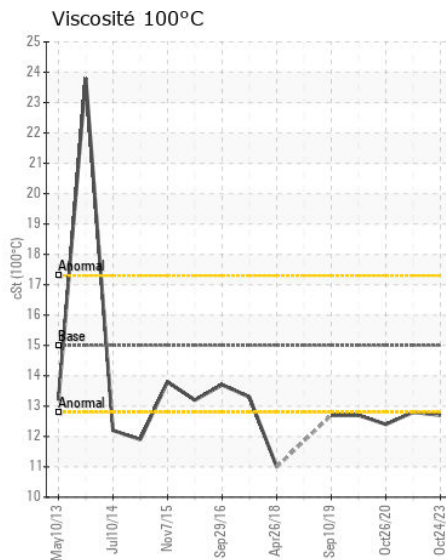
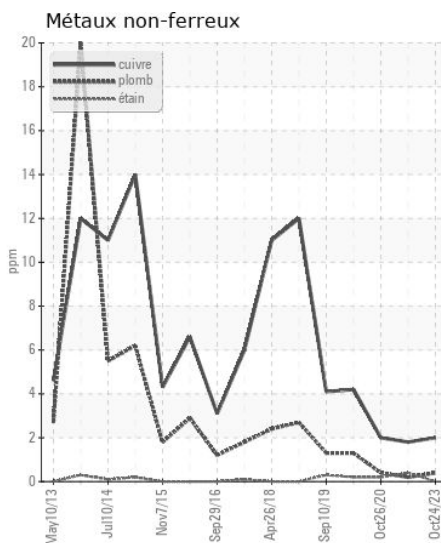
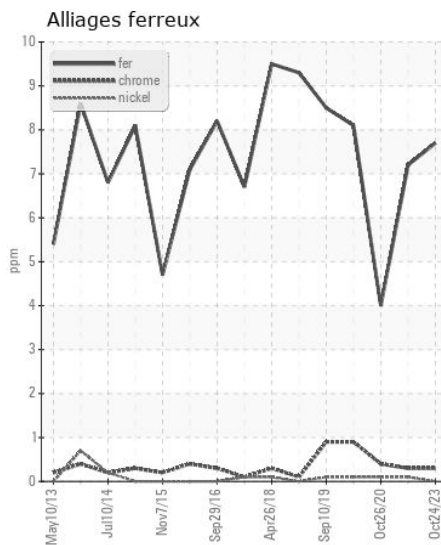
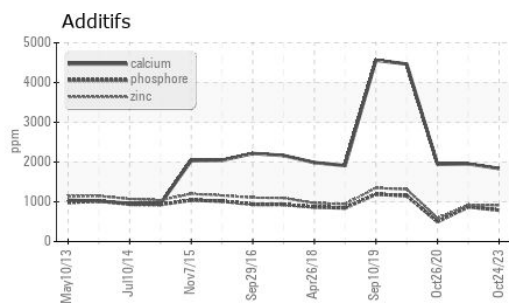
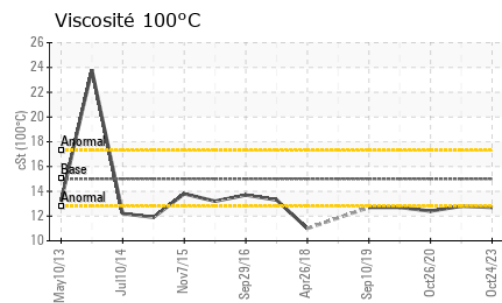
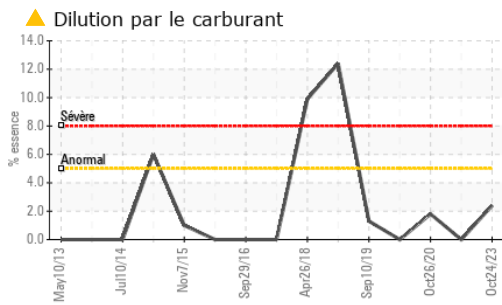
Light fuel dilution occurring. No other contaminants were detected in the oil.

| | | | | | | |
|----------------|----------|---------------|-------|--------------|-------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 20 | 19 | 17 |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | 2 |
| Essence | % | ASTM D7593* | >5 | ▲ 2.4 | <1.0 | 1.8 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 5.8 | 5.5 | 9.5 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 20.5 | 20.1 | 15.6 |
| Limon | scalar | Visual* | NONE | NONE | NONE | --- |
| Débris | scalar | Visual* | NONE | NONE | NONE | --- |
| Saleté | scalar | Visual* | NONE | NONE | NONE | --- |
| Apparence | scalar | Visual* | NORML | NORML | NORML | --- |
| Odeur | scalar | Visual* | NORML | NORML | NORML | --- |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

| | | | | | | |
|------------|----------|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 3 | 3 | 2 |
| Bore | ppm | ASTM D5185(m) | 0 | 70 | 72 | 96 |
| Baryum | ppm | ASTM D5185(m) | 0 | <1 | <1 | 2 |
| Molybdène | ppm | ASTM D5185(m) | 0 | 39 | 39 | 8 |
| Manganèse | ppm | ASTM D5185(m) | | 1 | 2 | 2 |
| Magnésium | ppm | ASTM D5185(m) | 0 | 480 | 484 | 10 |
| Calcium | ppm | ASTM D5185(m) | | 1837 | 1956 | 1943 |
| Phosphore | ppm | ASTM D5185(m) | | 788 | 875 | 500 |
| Zinc | ppm | ASTM D5185(m) | | 910 | 914 | 593 |
| Soufre | ppm | ASTM D5185(m) | | 2258 | 2386 | 1839 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 19.2 | 18.2 | 9.8 |
| Visc 100°C | cSt | ASTM D7279(m) | 15.0 | 12.7 | 12.8 | 12.4 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0829224
N° de laboratoire : 02593144
Numéro unique : 5670223
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

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.

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