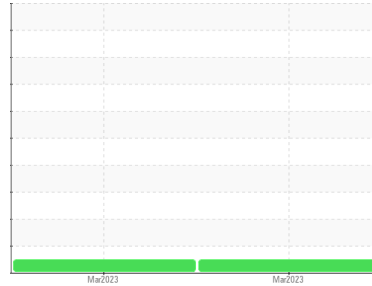




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
WAJAX
 Machine Id
DETROIT GD10689A

Component
Diesel Engine
 Fluid
DISEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | GD0004095 | GD0005499 | --- |
| Sample Date | Client Info | | | 28 Mar 2023 | 23 Mar 2023 | --- |
| Machine Age | hrs | Client Info | | 1745 | 1976 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|----------------|----------|----------|
| Fuel | WC Method | >5 | | <1.0 | <1.0 | --- |
| Glycol | WC Method | | | NEG | NEG | --- |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|---------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >100 | 2 | 2 | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | <1 | <1 | --- |
| Lead | ppm | ASTM D5185(m) | >40 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | <1 | --- |
| Tin | ppm | ASTM D5185(m) | >15 | <1 | <1 | --- |
| Antimony | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | --- |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | 250 | 2 | 1 | --- |
| Barium | ppm | ASTM D5185(m) | 10 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 45 | 46 | --- |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185(m) | 450 | 747 | 743 | --- |
| Calcium | ppm | ASTM D5185(m) | 3000 | 845 | 835 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 844 | 849 | --- |
| Zinc | ppm | ASTM D5185(m) | 1350 | 907 | 896 | --- |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2701 | 2691 | --- |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | --- |

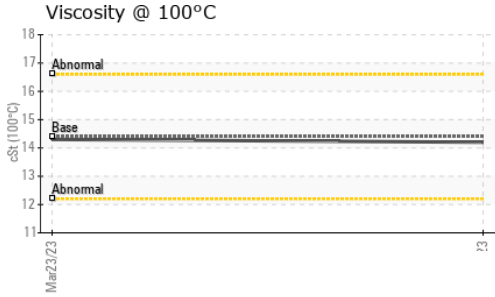
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|---------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | >25 | 5 | 5 | --- |
| Sodium | ppm | ASTM D5185(m) | >216 | 2 | 6 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | --- |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot % | % | ASTM D7844* | >3 | 0 | 0 | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 5.4 | 5.4 | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 19.2 | 18.7 | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-------------|------------|------------|----------|----------|
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 9.1 | 9.3 | --- |



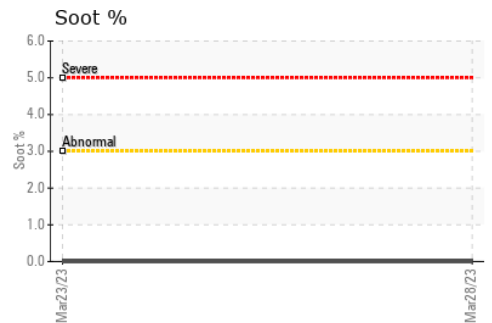
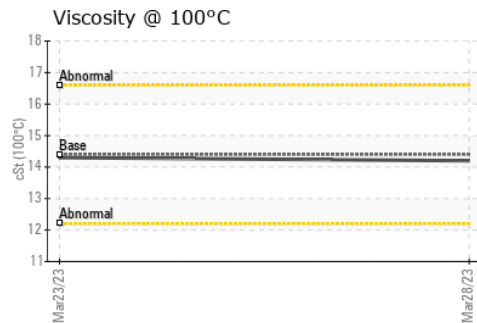
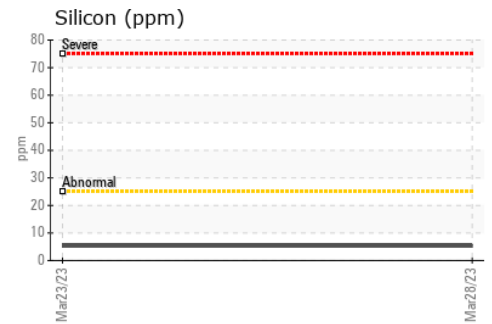
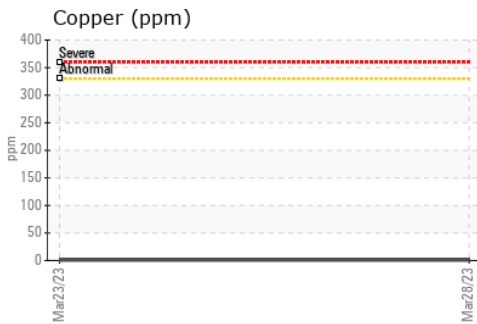
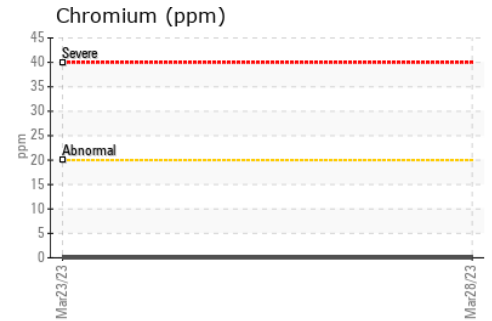
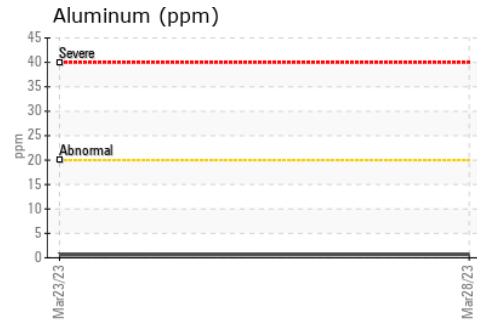
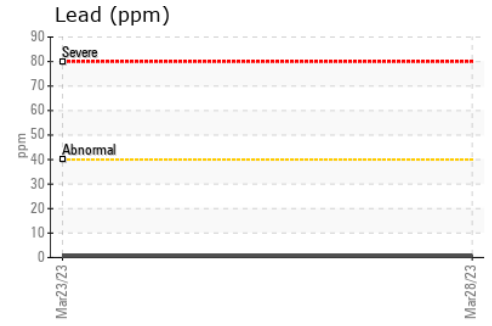
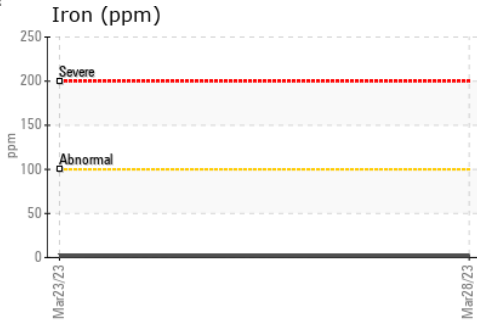
OIL ANALYSIS REPORT



| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|-------------|----------|
| Visc @ 100°C | cSt | ASTM D7279(m) | 14.4 | 14.2 | 14.3 |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0004095
Lab Number : **02547893**
Unique Number : 5552903
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.