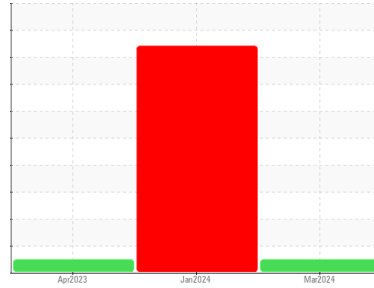




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
KOVATERRA UT99 FMC021

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Test for glycol is negative. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0899945 | WC0899691 | WC0650145 |
| Sample Date | Client Info | | 04 Mar 2024 | 30 Jan 2024 | 18 Apr 2023 |
| Machine Age | hrs | Client Info | 1103 | 814 | 9271 |
| Oil Age | hrs | Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | | N/A | Changed | N/A |
| Sample Status | | | NORMAL | ABNORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|----------------|----------|----------|
| Fuel | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | WC Method | >0.2 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 | |
|-----------|--------|---------------|---------|--------------|----------|----|
| Iron | ppm | ASTM D5185(m) | >100 | 12 | 181 | 42 |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | 1 | 1 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | ▲ 19 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 2 | <1 |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >20 | 4 | ● 34 | 14 |
| Lead | ppm | ASTM D5185(m) | >40 | 2 | 2 | 14 |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | 3 | 5 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | 1 |
| Antimony | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 | |
|------------|--------|---------------|---------|--------------|----------|------|
| Boron | ppm | ASTM D5185(m) | 250 | 34 | 42 | 54 |
| Barium | ppm | ASTM D5185(m) | 10 | 0 | 1 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 39 | 32 | 19 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 2 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 450 | 520 | 438 | 231 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1719 | 1590 | 2146 |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 747 | 749 | 1000 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 870 | 774 | 1135 |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2229 | 4139 | 2736 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |

CONTAMINANTS

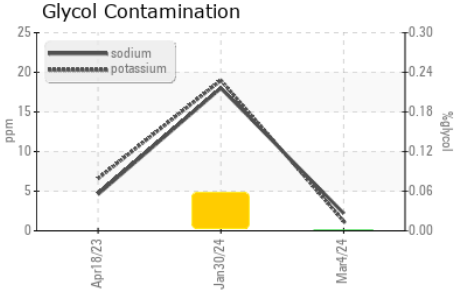
| | method | limit/base | current | history1 | history2 | |
|-----------|--------|---------------|---------|------------|----------|-----|
| Silicon | ppm | ASTM D5185(m) | >25 | 5 | ▲ 128 | 16 |
| Sodium | ppm | ASTM D5185(m) | >158 | 2 | 18 | 5 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | ▲ 19 | 7 |
| Glycol | % | ASTM D7922* | | 0.0 | ▲ 0.057 | NEG |

INFRA-RED

| | method | limit/base | current | history1 | history2 | |
|-----------|----------|-------------|---------|-------------|----------|------|
| Soot % | % | ASTM D7844* | >3 | 0.4 | 0.3 | 0.9 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 7.3 | 7.2 | 9.4 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 23.3 | 22.0 | 23.6 |



OIL ANALYSIS REPORT

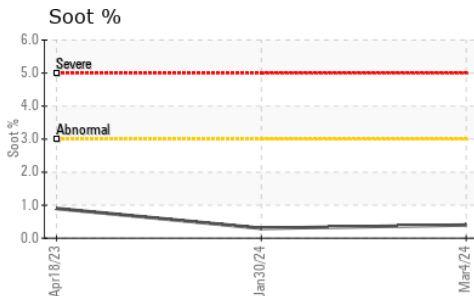
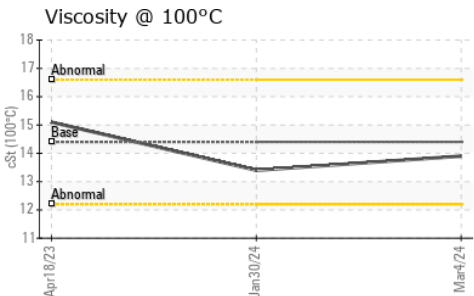
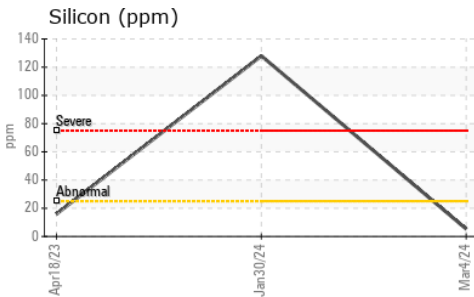
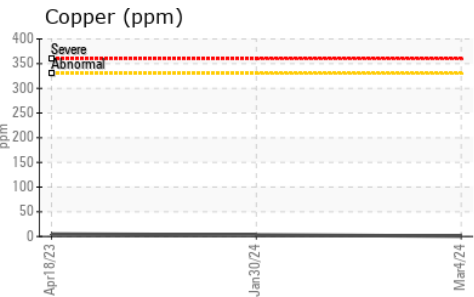
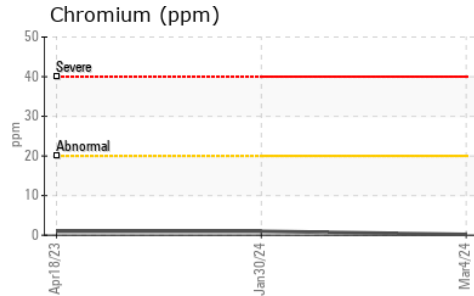
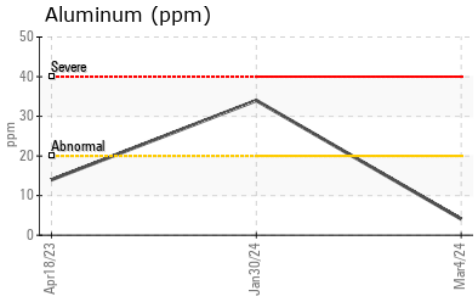
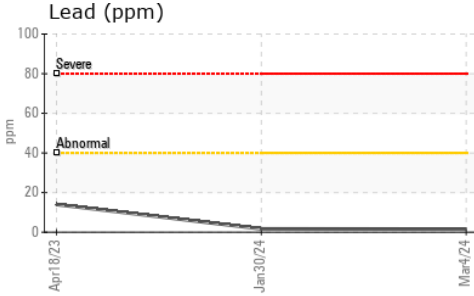
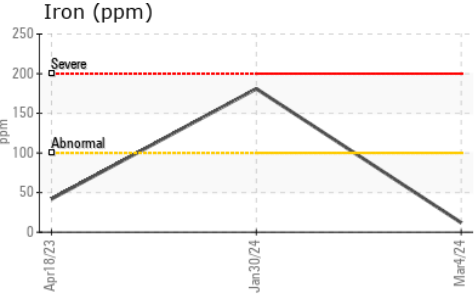
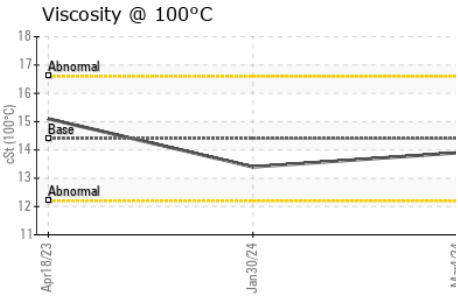


| FLUID DEGRADATION | method | limit/base | current | history1 | history2 | |
|-------------------|----------|-------------|---------|-------------|----------|------|
| Oxidation | Abs./1mm | ASTM D7414* | >25 | 21.3 | 17.8 | 19.3 |

| VISUAL | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|------------|----------|-----|
| Emulsified Water | scalar | Visual* | >0.2 | NEG | ▲ .5% | NEG |
| Free Water | scalar | Visual* | | NEG | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|---------------|---------|-------------|----------|------|
| Visc @ 100°C | cSt | ASTM D7279(m) | 14.4 | 13.9 | 13.4 | 15.1 |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0899945 **Received** : 12 Mar 2024
Lab Number : 02621363 **Tested** : 12 Mar 2024
Unique Number : 5746482 **Diagnosed** : 12 Mar 2024 - Wes Davis
Test Package : MOB 1

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Phil St-Denis
 Phil.St-Denis@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.