



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
L1397
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0553466 | WC0553465 | WC0554094 |
| Sample Date | | Client Info | | 24 May 2024 | 29 Feb 2024 | 30 Dec 2021 |
| Machine Age | kms | Client Info | | 6700 | 321251 | 114217 |
| Oil Age | kms | Client Info | | 0 | 0 | 0 |
| Filter Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|----------|-----|---------------|------|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >100 | 20 | 40 | 29 |
| Chromium | ppm | ASTM D5185(m) | >20 | 0 | 1 | 1 |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >20 | 4 | 4 | 36 |
| Lead | ppm | ASTM D5185(m) | >40 | 0 | 8 | 0 |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | 3 | 2 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

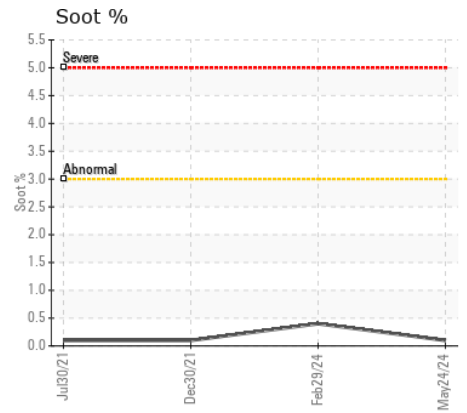
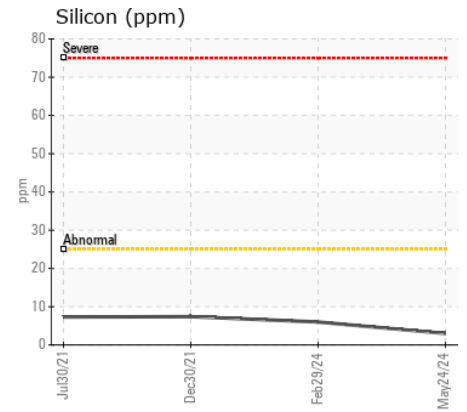
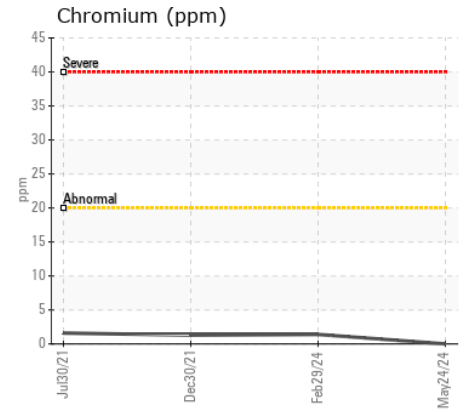
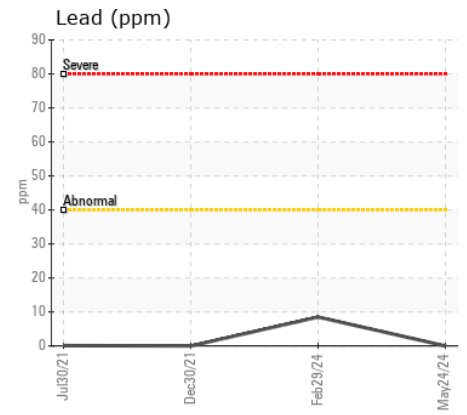
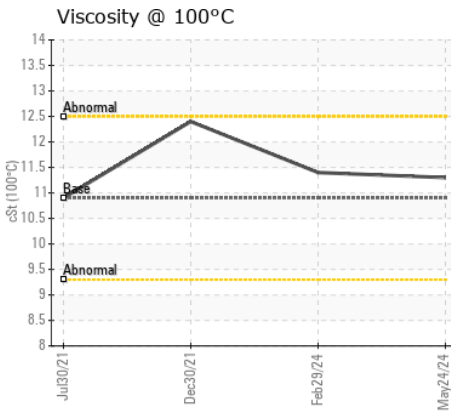
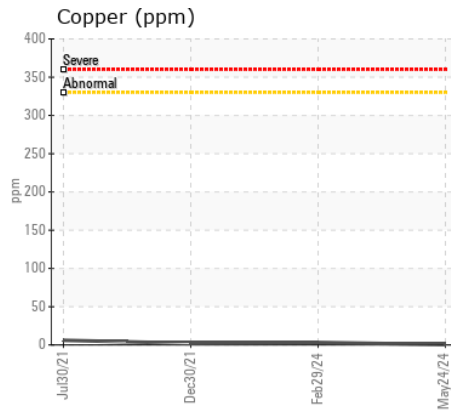
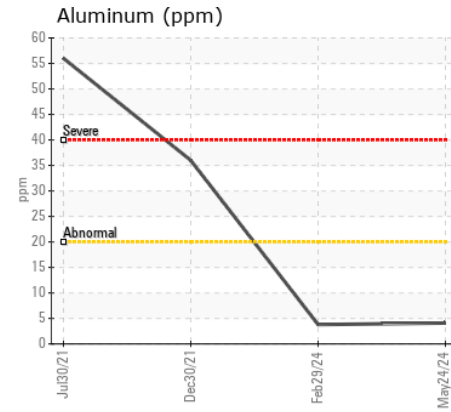
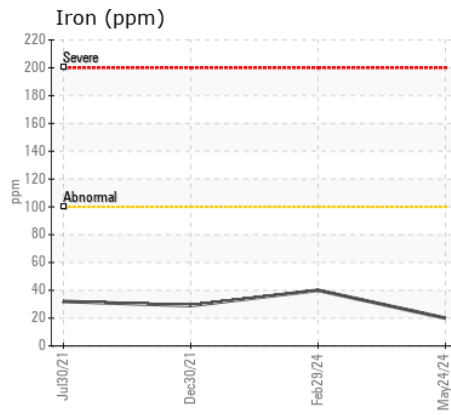
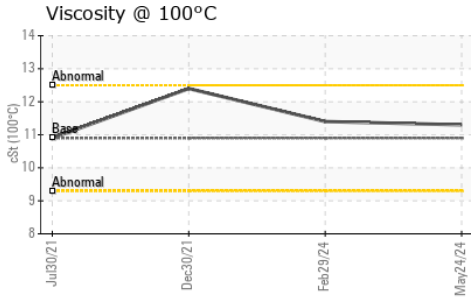
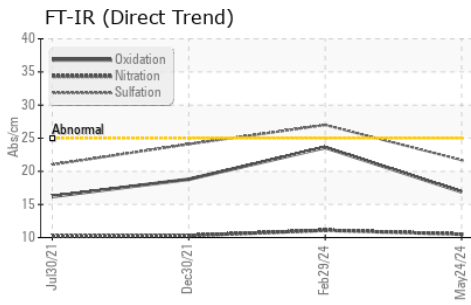
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|------|----------------|------|------|
| Silicon | ppm | ASTM D5185(m) | >25 | 3 | 6 | 7 |
| Potassium | ppm | ASTM D5185(m) | >20 | 6 | 6 | 62 |
| Fuel | | WC Method | >2.0 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | ASTM D7844* | >3 | 0.1 | 0.4 | 0.1 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 10.5 | 11.1 | 10.3 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 21.7 | 27.0 | 24.1 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 2 | 4 | 3 |
| Boron | ppm | ASTM D5185(m) | 250 | 62 | 20 | 181 |
| Barium | ppm | ASTM D5185(m) | 10 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 1 | 30 | 97 |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 450 | 639 | 776 | 720 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1531 | 1374 | 1476 |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 769 | 749 | 732 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 869 | 865 | 833 |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2583 | 2334 | 2186 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 16.9 | 23.6 | 18.8 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 10.9 | 11.3 | 11.4 | 12.4 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0553466
Lab Number : 02640664
Unique Number : 5789826
Test Package : MOB 1

RUSH TRUCK CENTRES OF CANADA
 77 BELLEVUE DR
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 CA K8N 4Z5
 Contact: Service Manager
 LBRETT@RUSHTRUCKCENTRES.CA

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.

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