



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

Area

SICKS [86905]

Machine Id

175 ELIZABETH ST TORONTO 25476445 PSC UNIT

Component

Left Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (--- LTR)

RECOMMENDATION

We advise that you check for visible metal particles in the oil. The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | PN0006224 | --- | --- |
| Sample Date | | Client Info | | 10 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 22 | --- | --- |
| Oil Age | hrs | Client Info | | 22 | --- | --- |
| Filter Age | hrs | Client Info | | 22 | --- | --- |
| Oil Changed | | Client Info | | Not Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

Light concentration of visible metal present.

| | | | | | | |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >90 | 6 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >40 | 2 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >330 | 6 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | VLITE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

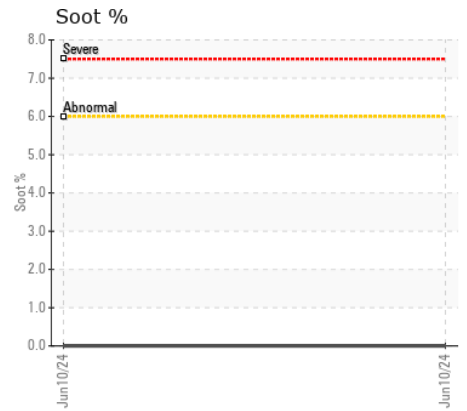
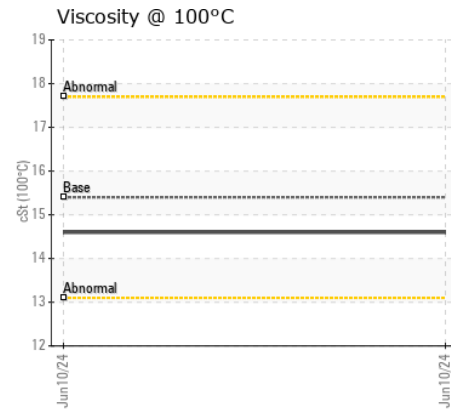
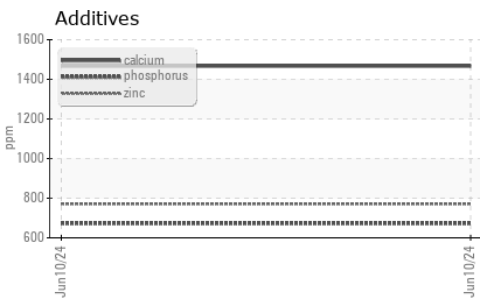
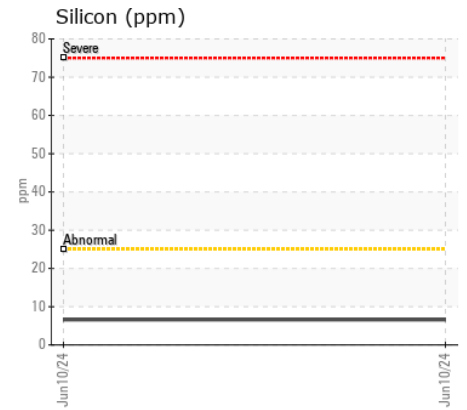
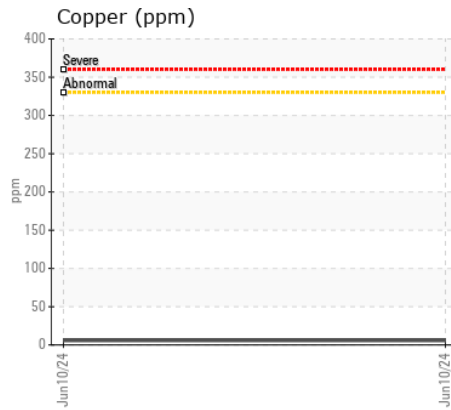
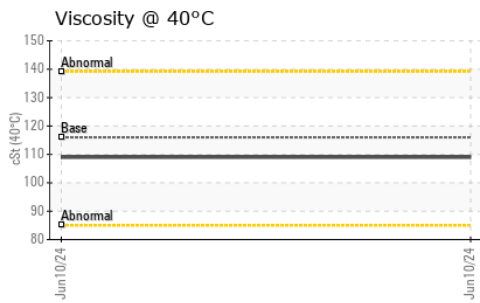
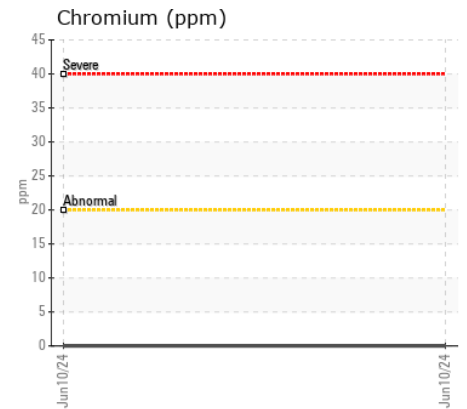
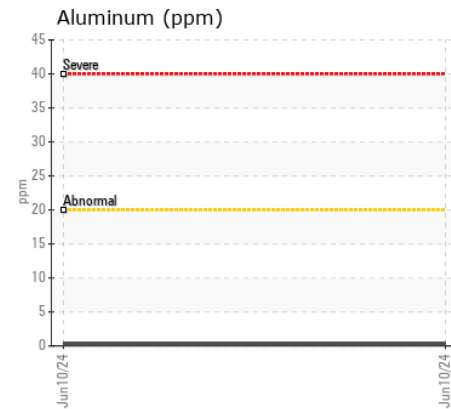
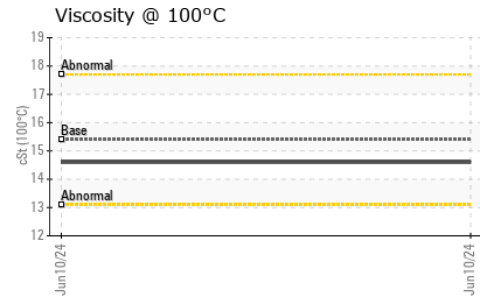
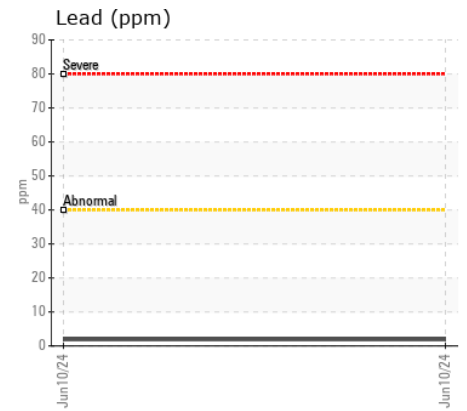
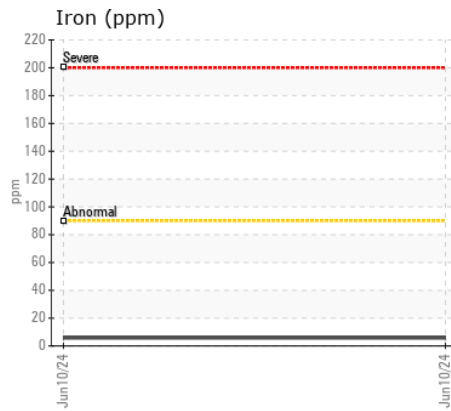
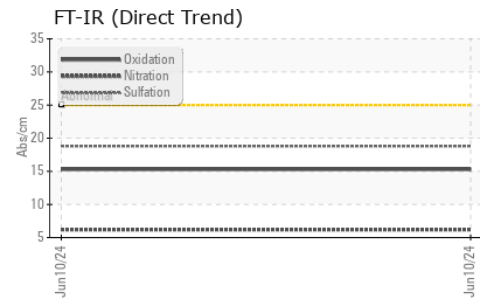
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|-------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >25 | 7 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Fuel | | WC Method | >3.0 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | >6 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.2 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 18.8 | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | --- | --- |

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.

| | | | | | | |
|----------------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | >192 | 5 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 38 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 50 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 648 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 3780 | 1467 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1370 | 673 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1500 | 771 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 3800 | 1930 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 15.3 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 116 | 109 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 15.4 | 14.6 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 140 | 137 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006224 **Received** : 14 Jun 2024
Lab Number : **02641894** **Tested** : 18 Jun 2024
Unique Number : 5799433 **Diagnosed** : 18 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, KV40, VI, Visual)

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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.