



OIL ANALYSIS REPORT

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

Machine Id
JOHN DEERE NO UNIT PC0073129

Component
Diesel Engine

Fluid
PETRO CANADA 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | PC0073129 | --- | --- |
| Sample Date | | Client Info | | 17 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 9287 | --- | --- |
| Oil Age | hrs | Client Info | | 250 | --- | --- |
| Filter Age | hrs | Client Info | | 250 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|----------|-----|---------------|-----|----|-----|-----|
| Iron | ppm | ASTM D5185(m) | >51 | 8 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >11 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >31 | 2 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >26 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >26 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |

CONTAMINATION

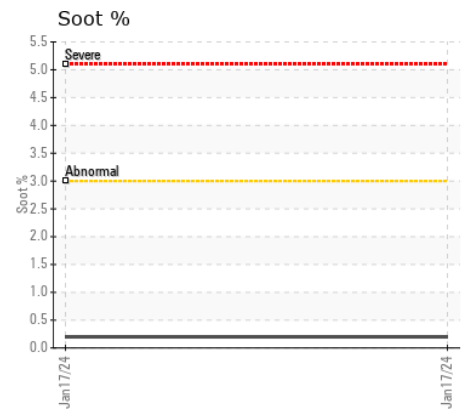
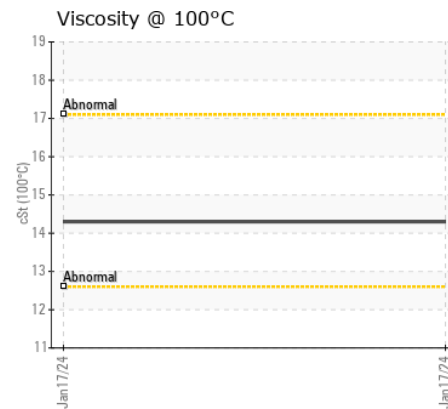
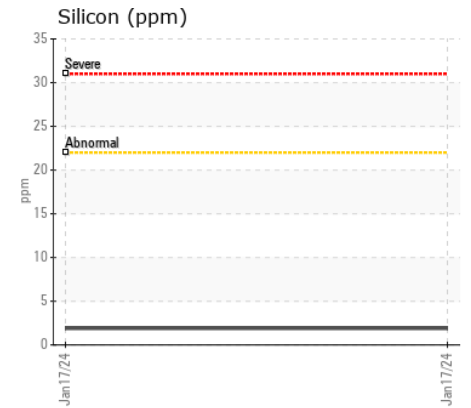
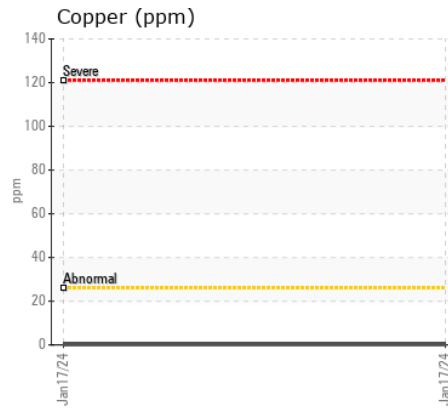
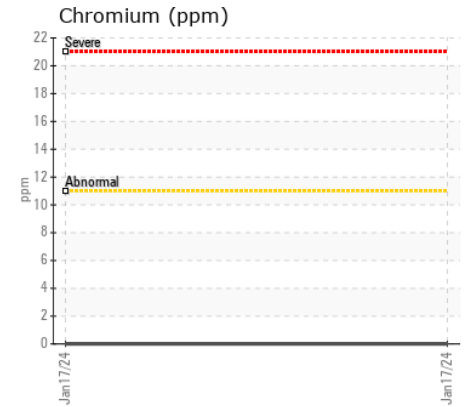
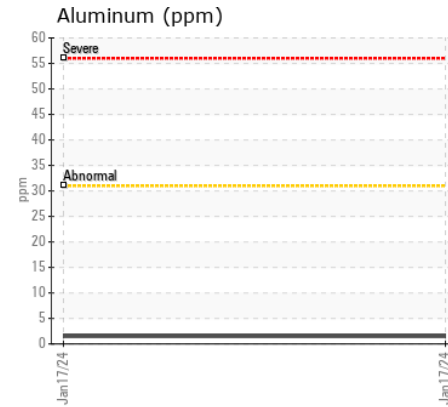
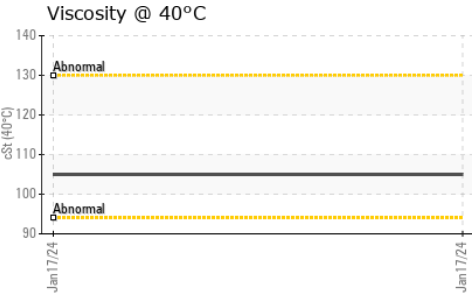
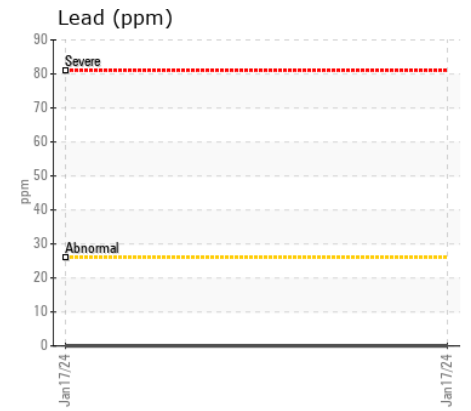
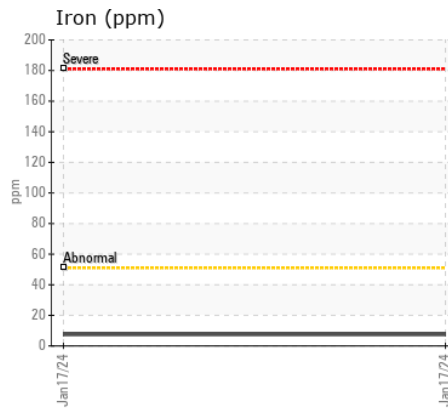
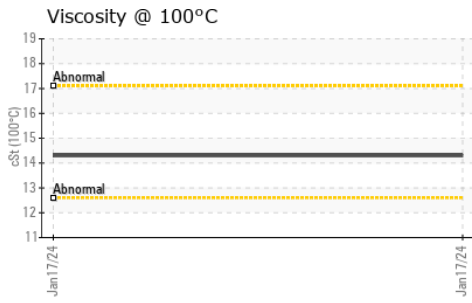
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|-------|------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >22 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Fuel | | WC Method | >2.1 | <1.0 | --- | --- |
| Water | | WC Method | >0.21 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | >3 | 0.2 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.6 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 18.0 | --- | --- |
| Emulsified Water | scalar | Visual* | >0.21 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|----------------------|----------|---------------|-----|------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | 2 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 3 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 58 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 926 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 1011 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 972 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 1125 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 2627 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 13.8 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 105 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 14.3 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | | 139 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073129 **Received** : 23 Feb 2024
Lab Number : 02617593 **Tested** : 23 Feb 2024
Unique Number : 5734703 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI)

MILTOW COLONY
 BOX # 68
 WARNER, AB
 CA T0K 2L0
 Contact: Service Manager
 mechanic@mitowcolony.com

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.