



OIL ANALYSIS REPORT

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

Machine Id
DHKCEBBWJN0002564
Component
Left Travel
Fluid
DOOSAN 80W90 (--- GAL)

RECOMMENDATION

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

Light concentration of visible metal present. Gear wear is indicated.

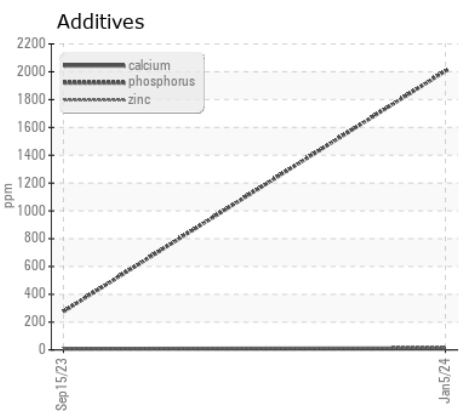
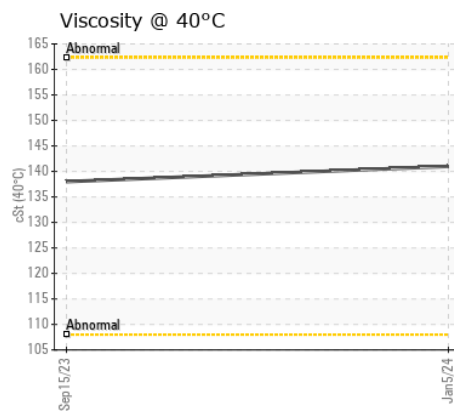
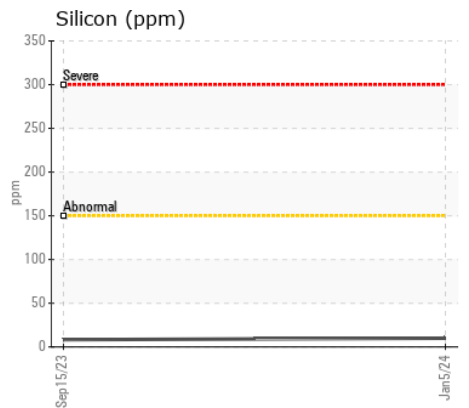
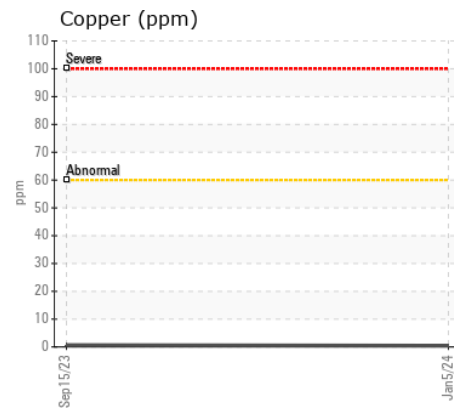
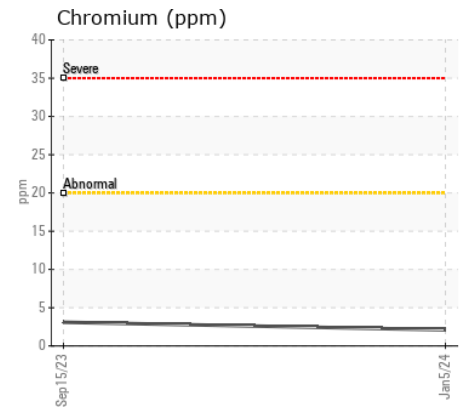
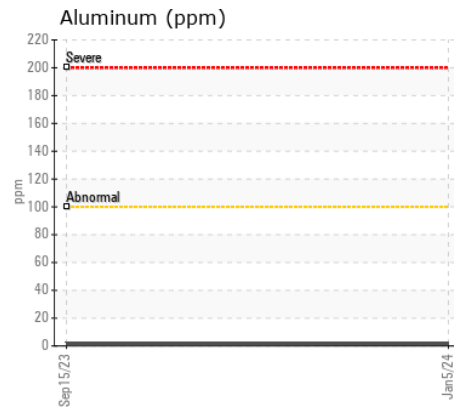
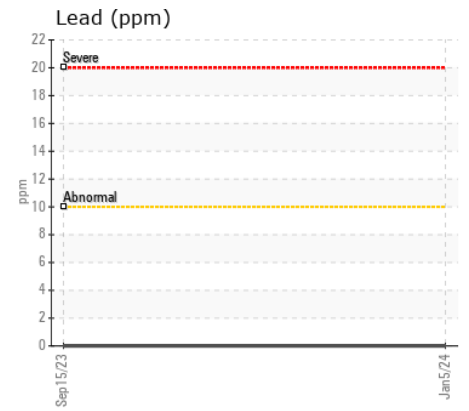
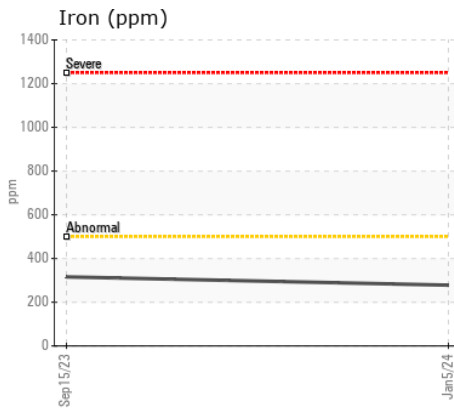
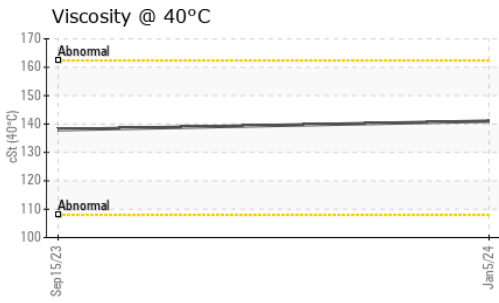
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|---------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0890731 | WC0811314 | --- |
| Sample Date | | Client Info | | 05 Jan 2024 | 15 Sep 2023 | --- |
| Machine Age | hrs | Client Info | | 944 | 570 | --- |
| Oil Age | hrs | Client Info | | 944 | 570 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | Not Changd | --- |
| Sample Status | | | | ABNORMAL | NORMAL | --- |
| Iron | ppm | ASTM D5185(m) | >500 | 278 | 316 | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | 2 | 3 | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >100 | 2 | 2 | --- |
| Lead | ppm | ASTM D5185(m) | >10 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185(m) | >60 | <1 | <1 | --- |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | ▲ LTMOD | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185(m) | >150 | 10 | 8 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | 1 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185(m) | | 4 | 5 | --- |
| Boron | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Barium | ppm | ASTM D5185(m) | | <1 | 2 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185(m) | | 2 | 4 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 3 | 1 | --- |
| Calcium | ppm | ASTM D5185(m) | | 13 | 10 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 2005 | 276 | --- |
| Zinc | ppm | ASTM D5185(m) | | 15 | 13 | --- |
| Sulfur | ppm | ASTM D5185(m) | | 20374 | 13007 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 141 | 138 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0890731 **Received** : 09 Jan 2024
Lab Number : 02607573 **Diagnosed** : 11 Jan 2024
Unique Number : 5708659 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch)

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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.