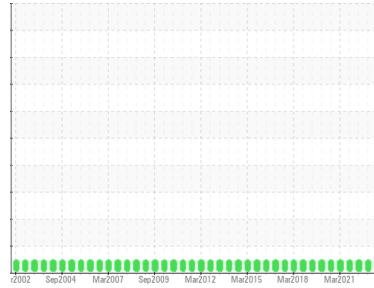




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[198764]
 Machine Id
WBK G GEBR
 Component
Bearing
 Fluid
ESSO TERESSO ISO 68 (18 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0328090 | WC0445266 | WC0445263 |
| Sample Date | Client Info | | 20 Mar 2023 | 17 Nov 2022 | 14 Mar 2022 |
| Machine Age | hrs | Client Info | 0 | 59 | 0 |
| Oil Age | hrs | Client Info | 0 | 59 | 0 |
| Oil Changed | Client Info | | Not Chngd | N/A | Not Chngd |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|-------------|--------------------|--------------|----------|----------|
| PQ | ASTM D8184* | | 0 | 0 | 0 |
| Iron | ppm | ASTM D5185(m) >63 | <1 | <1 | <1 |
| Chromium | ppm | ASTM D5185(m) >20 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) >20 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) >2 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) >161 | 14 | 14 | 14 |
| Copper | ppm | ASTM D5185(m) >13 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) >27 | <1 | <1 | <1 |
| Antimony | ppm | ASTM D5185(m) | 1 | <1 | 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) 4.5 | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) 0.4 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185(m) 0 | 0 | 0 | 0 |
| Calcium | ppm | ASTM D5185(m) 0 | 0 | 0 | <1 |
| Phosphorus | ppm | ASTM D5185(m) 0.7 | 0 | 0 | <1 |
| Zinc | ppm | ASTM D5185(m) 0 | 1 | 1 | 1 |
| Sulfur | ppm | ASTM D5185(m) 1315 | 2446 | 2442 | 2358 |
| Lithium | ppm | ASTM D5185(m) | <1 | <1 | <1 |

CONTAMINANTS

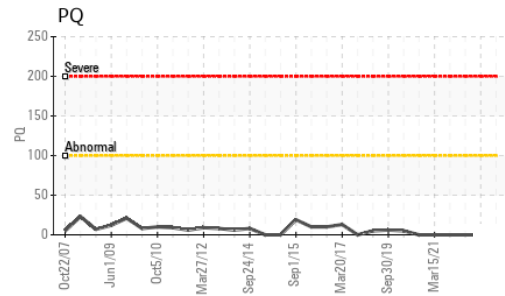
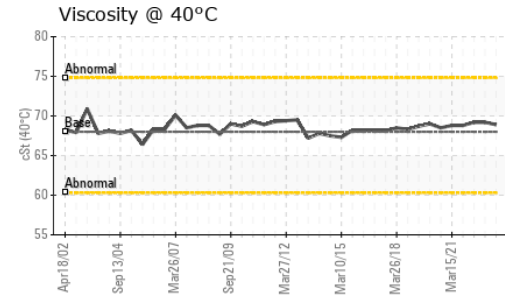
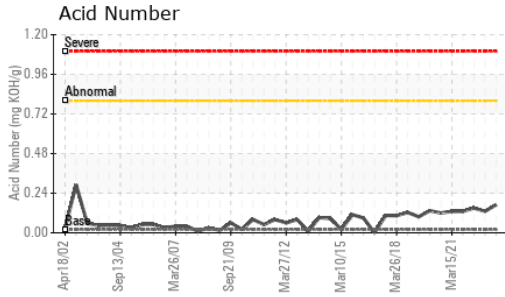
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >12 | <1 | 0 | <1 |
| Sodium | ppm | ASTM D5185(m) | <1 | <1 | <1 |
| Potassium | ppm | ASTM D5185(m) >20 | 0 | 0 | <1 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|-----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* 0.02 | 0.17 | 0.13 | 0.15 |



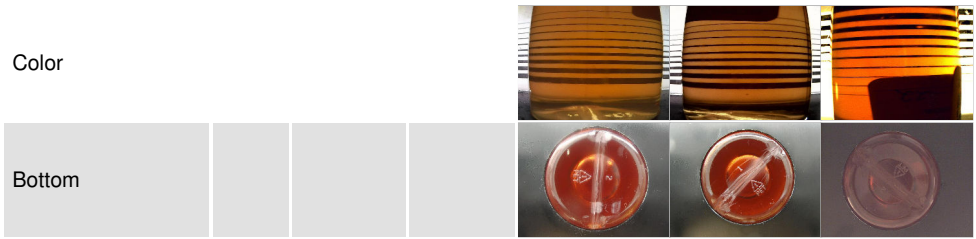
OIL ANALYSIS REPORT



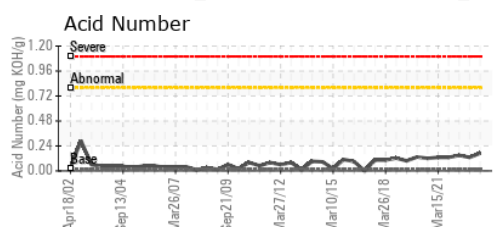
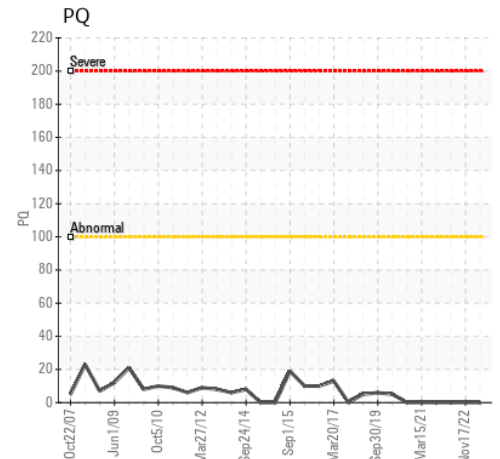
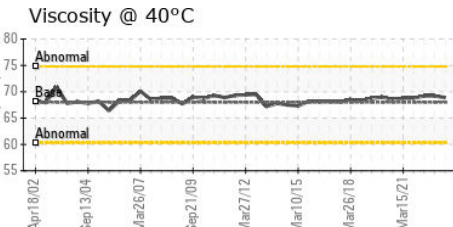
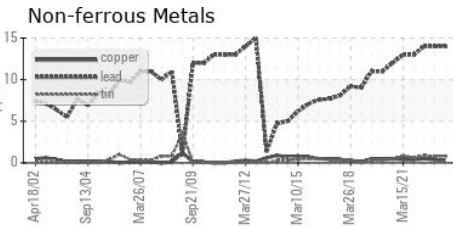
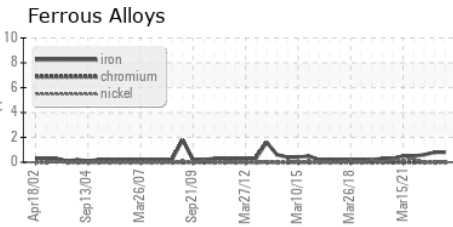
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE |
| 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* | >2 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 68 | 69.2 | 69.2 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0328090 **Received** : 28 Apr 2023
Lab Number : 02554187 **Diagnosed** : 01 May 2023
Unique Number : 5567202 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: TAN Man)

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 Contact: Paul Martin
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 T:
 F: (709)737-2926

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.