



PROBLEM SUMMARY

Sample Rating Trend

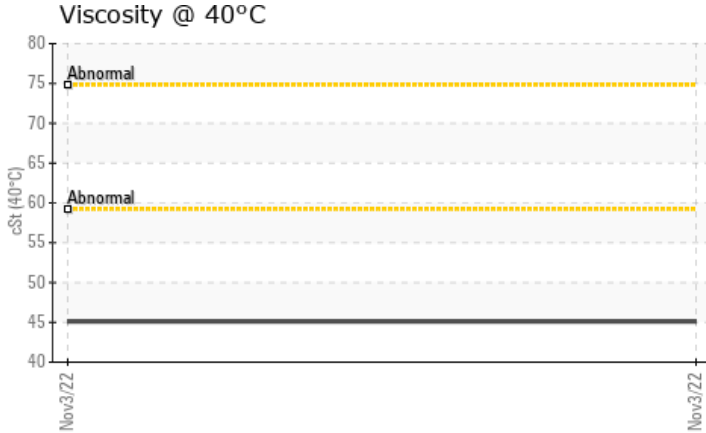


WATER



Machine Id
HIGH LIFT #4 (S/N 7316-A)
 Component
Bearing
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | --- | --- |
|---------------|--------|---------|------|----------|-----|-----|
| Precipitate | scalar | Visual* | NONE | ▲ LIGHT | --- | --- |
| Free Water | scalar | Visual* | | ▲ 1% | --- | --- |

Customer Id: ONT118MIS
Sample No.: WC0757534
Lab Number: 02521444
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|----------------------|--------|------|---------|---|
| Water Drain-off | --- | --- | ? | We advise that you follow the water drain-off procedure for this component. |
| Resample | --- | --- | ? | We recommend an early resample to monitor this condition. |
| Alert | --- | --- | ? | Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. |
| Information Required | --- | --- | ? | Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. |
| Check Breathers | --- | --- | ? | The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. |
| Check Water Access | --- | --- | ? | We advise that you check for the source of water entry. |
| Check Seals | --- | --- | ? | Check seals and/or filters for points of contaminant entry. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

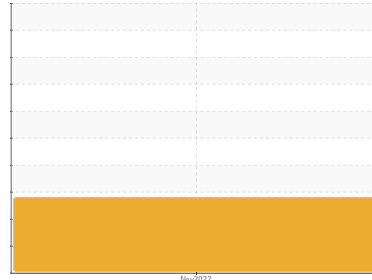
Sample Rating Trend

WATER



Machine Id
HIGH LIFT #4 (S/N 7316-A)

Component
Bearing
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NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

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Wear

All component wear rates are normal.

Contamination

Free water present.

Fluid Condition

The white residue present in the sample is oil additive precipitate. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | WC0757534 | --- | --- |
| Sample Date | Client Info | 03 Nov 2022 | --- | --- |
| Machine Age | hrs Client Info | 0 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | ABNORMAL | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|--------------|----------|----------|
| PQ | ASTM D8184* | 0 | --- | --- |
| Iron | ppm ASTM D5185(m) >20 | 2 | --- | --- |
| Chromium | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Nickel | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Titanium | ppm ASTM D5185(m) | 0 | --- | --- |
| Silver | ppm ASTM D5185(m) | 0 | --- | --- |
| Aluminum | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Lead | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Copper | ppm ASTM D5185(m) >20 | <1 | --- | --- |
| Tin | ppm ASTM D5185(m) >20 | <1 | --- | --- |
| Antimony | ppm ASTM D5185(m) | 0 | --- | --- |
| Vanadium | ppm ASTM D5185(m) | 0 | --- | --- |
| Beryllium | ppm ASTM D5185(m) | 0 | --- | --- |
| Cadmium | ppm ASTM D5185(m) | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) | 0 | --- | --- |
| Barium | ppm ASTM D5185(m) | 0 | --- | --- |
| Molybdenum | ppm ASTM D5185(m) | 0 | --- | --- |
| Manganese | ppm ASTM D5185(m) | 0 | --- | --- |
| Magnesium | ppm ASTM D5185(m) | 0 | --- | --- |
| Calcium | ppm ASTM D5185(m) | 0 | --- | --- |
| Phosphorus | ppm ASTM D5185(m) | 4 | --- | --- |
| Zinc | ppm ASTM D5185(m) | 1 | --- | --- |
| Sulfur | ppm ASTM D5185(m) | 130 | --- | --- |
| Lithium | ppm ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

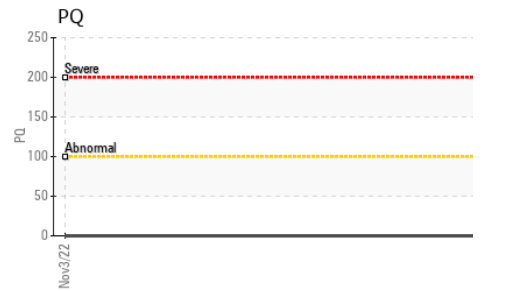
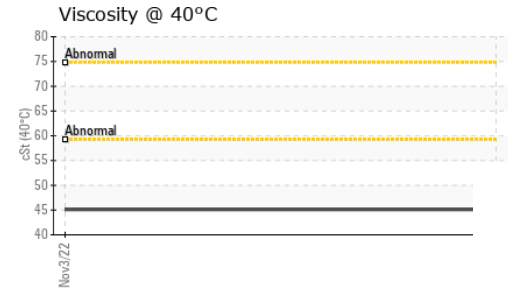
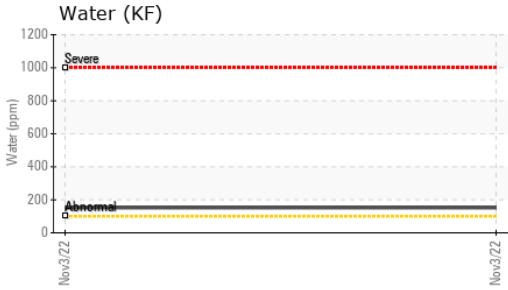
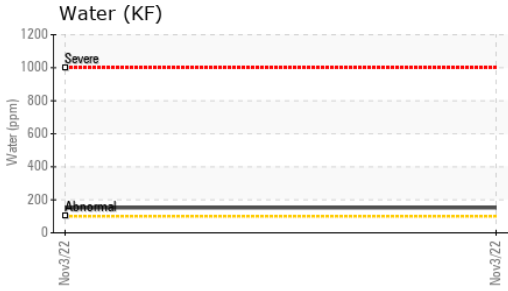
| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|--------------|----------|----------|
| Silicon | ppm ASTM D5185(m) >15 | 0 | --- | --- |
| Sodium | ppm ASTM D5185(m) | 0 | --- | --- |
| Potassium | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Water | % ASTM D6304* >2 | 0.015 | --- | --- |
| ppm Water | ppm ASTM D6304* | 151.9 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|---------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D974* | 0.10 | --- | --- |



OIL ANALYSIS REPORT



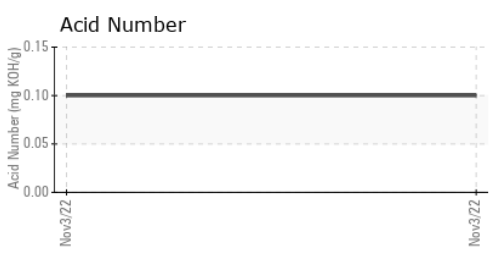
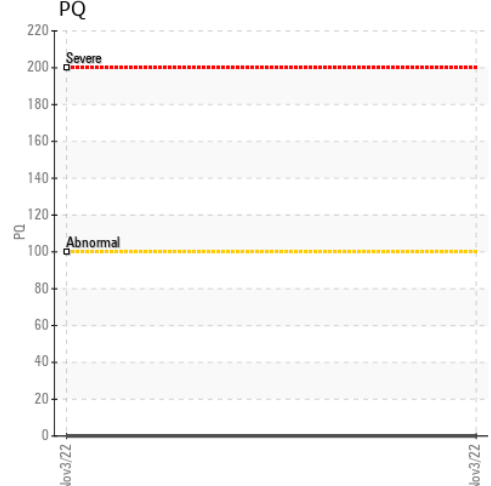
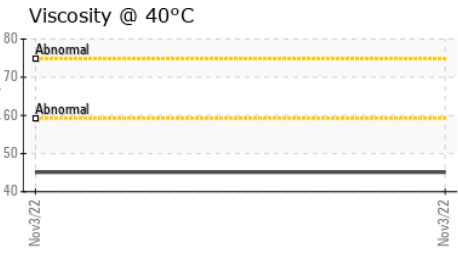
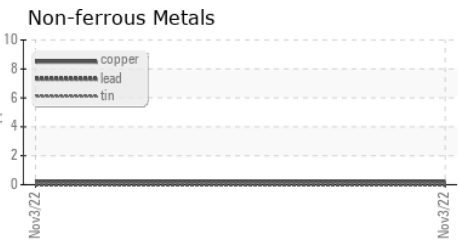
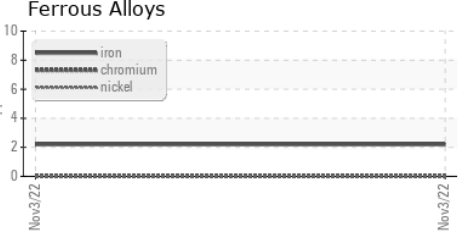
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- |
| Precipitate | scalar | Visual* | NONE | ▲ LIGHT | --- |
| 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* | >2 | .2% | --- |
| Free Water | scalar | Visual* | | ▲ 1% | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 45.1 | --- | --- |

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

| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **ONTARIO CLEAN WATER AGENCY**
Sample No. : WC0757534 **Received** : 08 Nov 2022 1180 LAKESHORE RD. W, SOUTH PEEL FACILITIES - LORNE PARK
Lab Number : 02521444 **Diagnosed** : 09 Nov 2022 MISSISSAUGA, ON
Unique Number : 5486425 **Diagnostician** : Kevin Marson CA L5E 1W6
Test Package : IND 2 (Additional Tests: Bottom, KF, TAN Man) Contact: Radu Silaghi
 rsilaghi@ocwa.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.