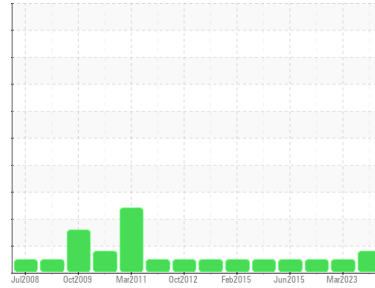




PROBLEM SUMMARY

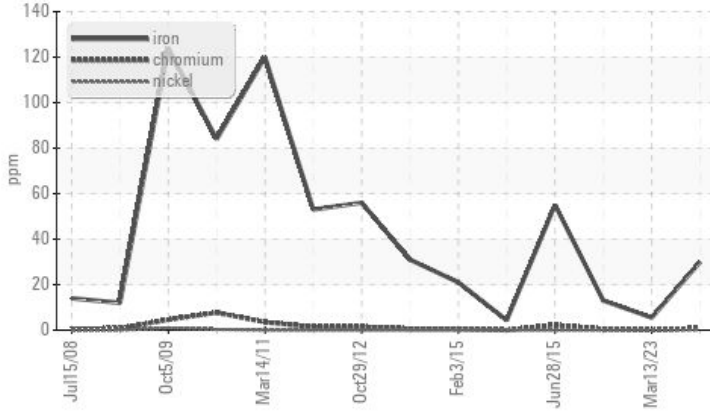
Sample Rating Trend



Machine Id
BDE - PH1 COMPRESSOR #2 (S/N 270048)
 Component
Compressor
 Fluid
COMPRO XL-S 100 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ATTENTION | NORMAL | NORMAL |
|---------------|-----|---------------|-----|-----------|--------|--------|
| Iron | ppm | ASTM D5185(m) | >50 | ▲ 30 | 6 | 13 |

Customer Id: NEWMIL
 Sample No.: WC0762258
 Lab Number: 02578114
 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 |
|----------------------|--------|------|---------|----------------------------------------------------------------------------------------------------------------|
| Information Required | --- | --- | ? | NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. |

HISTORICAL DIAGNOSIS

13 Mar 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



04 Jan 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



28 Jun 2015 Diag: Bill Quesnel

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

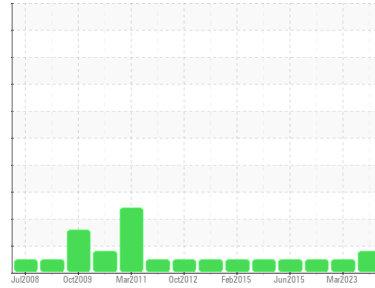
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
BDE - PH1 COMPRESSOR #2 (S/N 270048)

Component
Compressor
Fluid
COMPRO XL-S 100 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

Iron ppm levels are noted. All other component wear rates are normal.

Contamination

The water content is negligible. 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 | | WC0762258 | WC0682573 | WC0682558 |
| Sample Date | Client Info | | 20 Jul 2023 | 13 Mar 2023 | 04 Jan 2023 |
| Machine Age | hrs | Client Info | 9757 | 0 | 9757 |
| Oil Age | hrs | Client Info | 0 | 0 | 9757 |
| Oil Changed | Client Info | | N/A | Changed | N/A |
| Sample Status | | | ATTENTION | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|-------------|-------------------|--------------|----------|----------|
| PQ | ASTM D8184* | | 0 | 0 | 0 |
| Iron | ppm | ASTM D5185(m) >50 | ▲ 30 | 6 | 13 |
| Chromium | ppm | ASTM D5185(m) >10 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) >25 | <1 | <1 | 0 |
| Lead | ppm | ASTM D5185(m) >25 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185(m) >50 | 20 | 4 | 16 |
| Tin | ppm | ASTM D5185(m) >15 | 0 | 0 | <1 |
| Antimony | ppm | ASTM D5185(m) | 0 | <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) | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) 40 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185(m) | <1 | 0 | 0 |
| Calcium | ppm | ASTM D5185(m) 40 | <1 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185(m) 320 | 12 | 17 | 13 |
| Zinc | ppm | ASTM D5185(m) 40 | 4 | 3 | 3 |
| Sulfur | ppm | ASTM D5185(m) 3000 | 2670 | 2868 | 2963 |
| Lithium | ppm | ASTM D5185(m) | <1 | <1 | <1 |

CONTAMINANTS

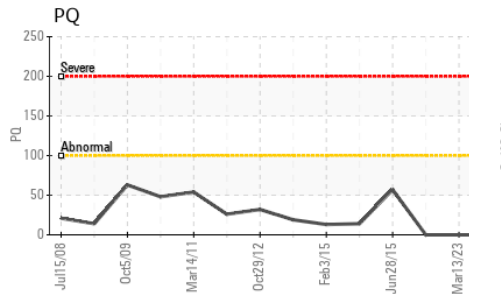
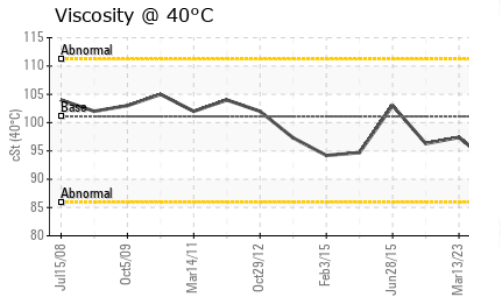
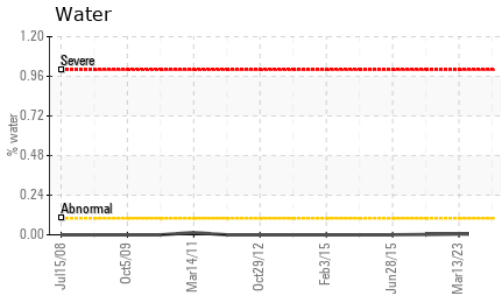
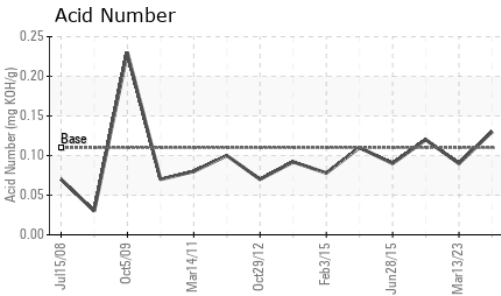
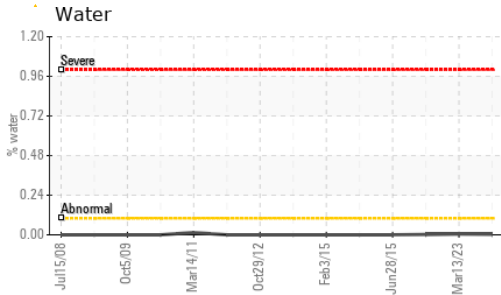
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >25 | <1 | 0 | <1 |
| Sodium | ppm | ASTM D5185(m) | 0 | 0 | <1 |
| Potassium | ppm | ASTM D5185(m) >20 | <1 | <1 | <1 |
| Water | % | ASTM D6304* >0.1 | 0.003 | 0.005 | 0.002 |
| ppm Water | ppm | ASTM D6304* >1000 | 37.0 | 59.2 | 17.5 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|-----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* 0.11 | 0.13 | 0.09 | 0.12 |



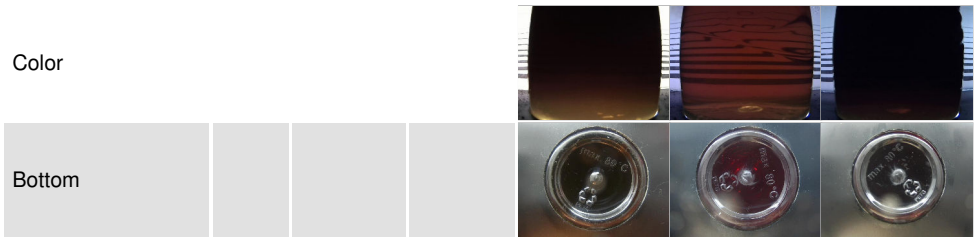
OIL ANALYSIS REPORT



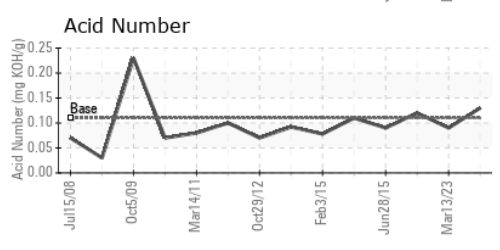
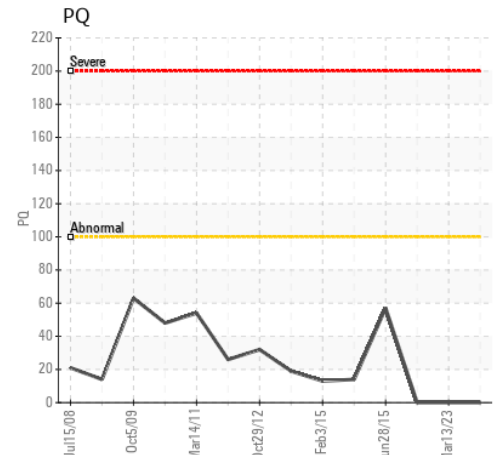
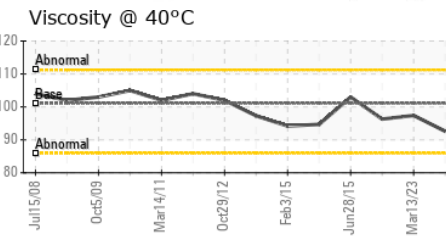
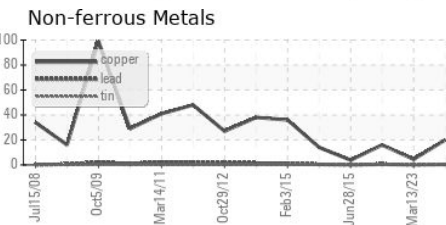
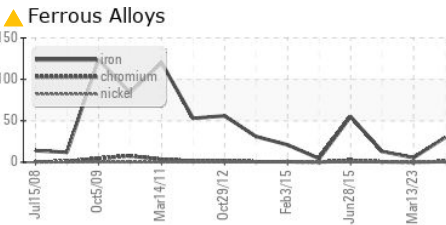
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|--------------|----------|
| White Metal | scalar | Visual* | NONE | LIGHT | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | 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* | >0.1 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|-------------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 101.1 | 92.6 | 97.4 |

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



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO
Sample No. : WC0762258 **Received** : 24 Aug 2023
Lab Number : 02578114 **Diagnosed** : 25 Aug 2023
Unique Number : 5631174 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF)

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.

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