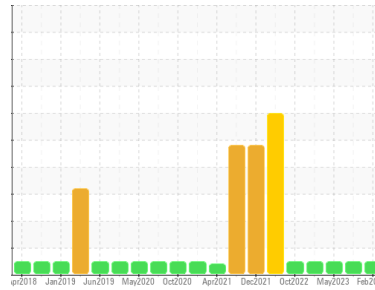




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
Materials Handling/SE Pedestal Crane
 Machine Id
WPD471261 CRANE PEDESTAL SOUTH EAST

Component
90° Grease
 Fluid
MOBIL MOBILGREASE XHP 222 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Grease Condition

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

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|-----------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | PP | PP13897520 | PP13890909 |
| Sample Date | Client Info | 16 Feb 2024 | 01 Jul 2023 | 03 May 2023 |
| Machine Age | hrs | 0 | 0 | 0 |
| Grease Age | hrs | 0 | 0 | 0 |
| Grease Serviced | Client Info | N/A | N/A | N/A |
| Sample Status | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|----------------|------------|----------|----------|
| Water | WC Method >0.1 | NEG | NEG | NEG |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|----------|------------------------|--------------|----------|----------|
| PQ | ASTM D8184* >200 | 80 | 18 | 80 |
| Iron | ppm ASTM D5185(m) >250 | 11 | 10 | 23 |
| Chromium | ppm ASTM D5185(m) >10 | 0 | 0 | 0 |
| Nickel | ppm ASTM D5185(m) >5 | 0 | 0 | <1 |
| Cadmium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Titanium | ppm ASTM D5185(m) | 0 | 0 | <1 |
| Vanadium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Lead | ppm ASTM D5185(m) >25 | 0 | 0 | <1 |
| Copper | ppm ASTM D5185(m) >75 | <1 | <1 | <1 |
| Tin | ppm ASTM D5185(m) >5 | 0 | 0 | 0 |
| Silver | ppm ASTM D5185(m) >5 | 0 | 0 | 0 |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-------------------|------------|----------|----------|
| Boron | ppm ASTM D5185(m) | 8 | 9 | 5 |
| Magnesium | ppm ASTM D5185(m) | 2 | <1 | 5 |
| Manganese | ppm ASTM D5185(m) | 0 | 0 | <1 |
| Molybdenum | ppm ASTM D5185(m) | 41 | 51 | 15 |
| Phosphorus | ppm ASTM D5185(m) | 107 | 111 | 86 |
| Zinc | ppm ASTM D5185(m) | 218 | 184 | 172 |
| Antimony | ppm ASTM D5185(m) | 7 | 9 | 14 |

THICKENER/SOAP

| method | limit/base | current | history1 | history2 |
|----------|-------------------|--------------|----------|----------|
| Aluminum | ppm ASTM D5185(m) | <1 | <1 | <1 |
| Barium | ppm ASTM D5185(m) | <1 | <1 | 2 |
| Calcium | ppm ASTM D5185(m) | 25 | 16 | 59 |
| Sodium | ppm ASTM D5185(m) | 13 | 5 | 15 |
| Lithium | ppm ASTM D5185(m) | 206 | 204 | 182 |
| Sulfur | ppm ASTM D5185(m) | 827 | 718 | 719 |

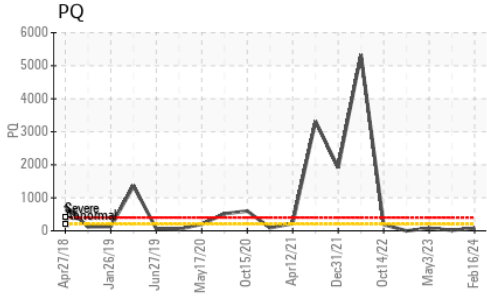
CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|------------------------|--------------|----------|----------|
| Silicon | ppm ASTM D5185(m) >150 | 0 | <1 | 1 |
| Potassium | ppm ASTM D5185(m) | <1 | <1 | 2 |

GREASE CONDITION

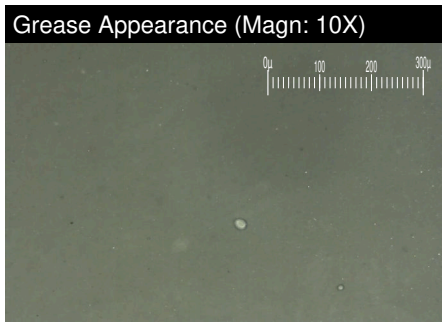
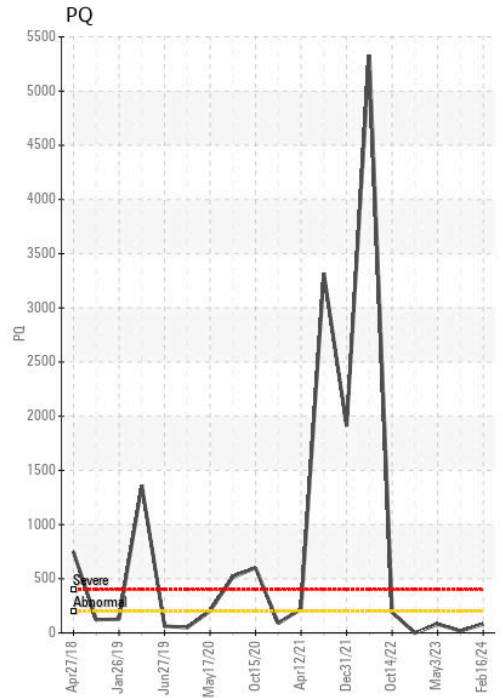
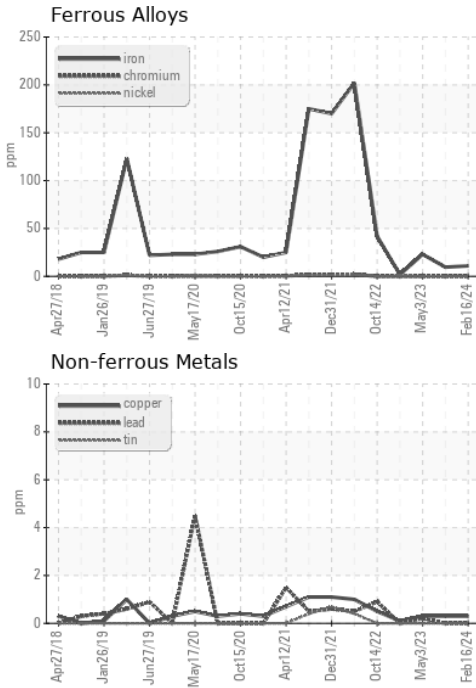
| method | limit/base | current | history1 | history2 |
|------------------|--------------------------|--------------------|-------------|----------|
| Grease Color | Visual* Dk Blue | Green | Green | Brown |
| Texture | In-house* | Short fiber | Short fiber | Stringy |
| NLGI Consistency | NLGI Scale SKF Method* 2 | 1-2 | 2 | 2-3 |

GREASE ANALYSIS



| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | | |
| Bottom | | | | | |
| PrtFilter | | | | | |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP **Received** : 28 Mar 2024
Lab Number : **02625479** **Tested** : 03 Apr 2024
Unique Number : 5750598 **Diagnosed** : 03 Apr 2024 - Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

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 F:

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.