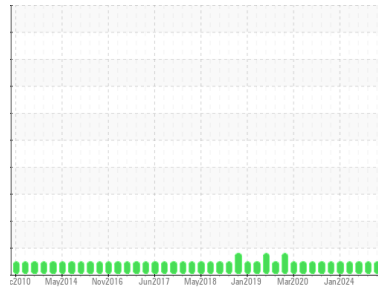


GREASE ANALYSIS

Area
Turret
Machine Id
Turret Swivel #2 - 16 (S/N Sample Tag NC-21603)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

Sample Rating Trend



NORMAL



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 | | | PC | PC0078286 | PC |
| Sample Date | Client Info | | | 16 Apr 2024 | 01 Apr 2024 | 18 Mar 2024 |
| Machine Age | days | Client Info | | 0 | 0 | 0 |
| Grease Age | days | Client Info | | 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 | 0 | 0 | 0 |
| Iron | ppm | ASTM D5185(m) | >250 | 25 | 27 | 24 |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Lead | ppm | ASTM D5185(m) | >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >75 | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |

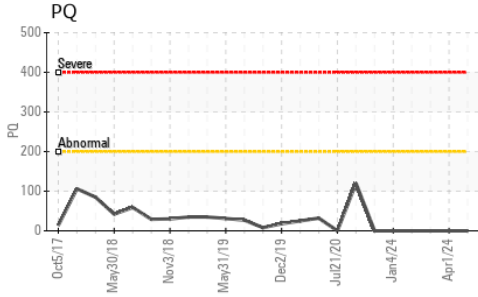
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | | 86 | 113 | 113 |
| Magnesium | ppm | ASTM D5185(m) | | 3 | 4 | 4 |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185(m) | | 8 | 11 | 9 |
| Zinc | ppm | ASTM D5185(m) | | 17 | 25 | 21 |
| Antimony | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

| THICKENER/SOAP | | method | limit/base | current | history1 | history2 |
|----------------|-----|---------------|------------|--------------|----------|----------|
| Aluminum | ppm | ASTM D5185(m) | | <1 | 1 | 1 |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Calcium | ppm | ASTM D5185(m) | | 1855 | 2684 | 2735 |
| Sodium | ppm | ASTM D5185(m) | | 7 | 5 | 5 |
| Lithium | ppm | ASTM D5185(m) | | 34 | 66 | 52 |
| Sulfur | ppm | ASTM D5185(m) | | 555 | 657 | 630 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|---------------|------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | >150 | 60 | 73 | 65 |
| Potassium | ppm | ASTM D5185(m) | | 1 | 2 | 2 |

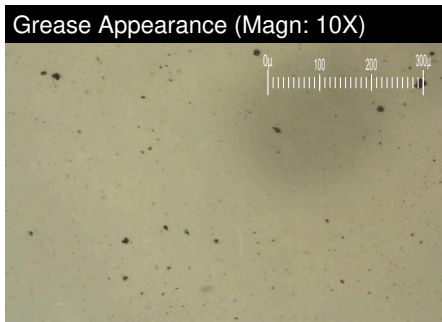
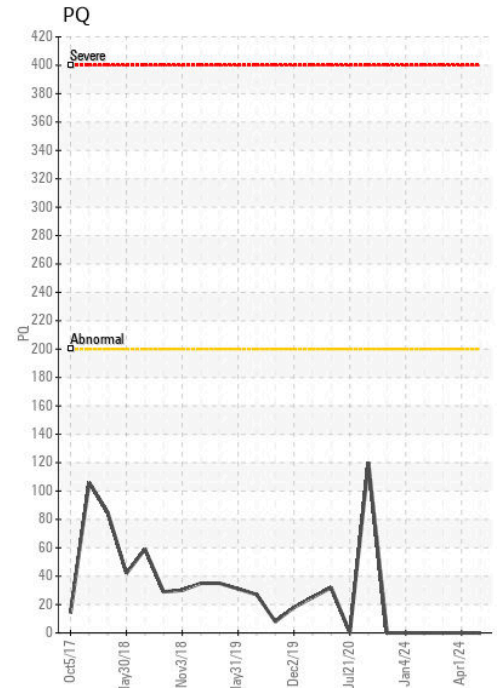
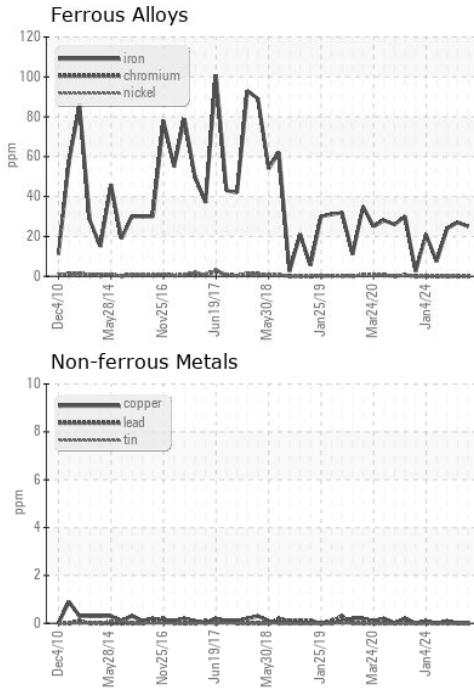
| GREASE CONDITION | | method | limit/base | current | history1 | history2 |
|------------------|------------|-------------|------------|----------------|----------|----------|
| Grease Color | Visual* | Tan | | Tan | Tan | Brown |
| Texture | In-house* | Buttery | | Stringy | Buttery | Buttery |
| NLGI Consistency | NLGI Scale | SKF Method* | 1 | 1 | 1-2 | 1 |

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. : PC **Received** : 10 May 2024
Lab Number : 02634832 **Tested** : 14 May 2024
Unique Number : 5775985 **Diagnosed** : 15 May 2024 - Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

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 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
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 F: (709)724-2835

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.