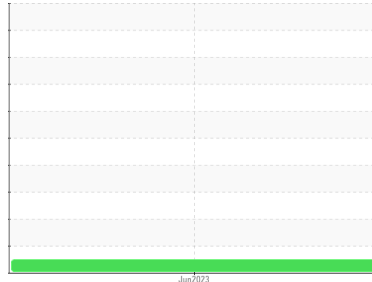


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DR130

Component
Final Drive

Fluid
PETRO CANADA ENDURATEX SYNTHETIC EP 220 (--- 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | PC0078077 | --- | --- |
| Sample Date | Client Info | | 30 Jun 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Changed | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|--------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) >500 | 133 | --- | --- |
| Chromium | ppm | ASTM D5185(m) >10 | 1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | <1 | --- | --- |
| Silver | ppm | ASTM D5185(m) | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) >25 | 16 | --- | --- |
| Lead | ppm | ASTM D5185(m) >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185(m) >50 | 16 | --- | --- |
| Tin | ppm | ASTM D5185(m) >10 | 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) 33 | 13 | --- | --- |
| Barium | ppm | ASTM D5185(m) 5 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | <1 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) 5 | 19 | --- | --- |
| Calcium | ppm | ASTM D5185(m) 5 | 51 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) 437 | 435 | --- | --- |
| Zinc | ppm | ASTM D5185(m) 5 | 17 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) 5000 | 4681 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | <1 | --- | --- |

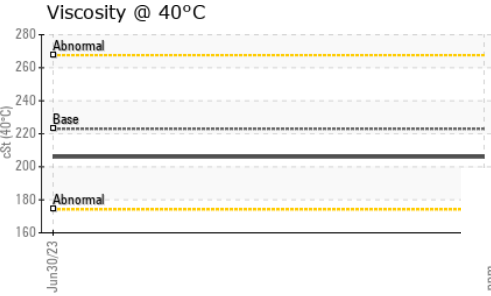
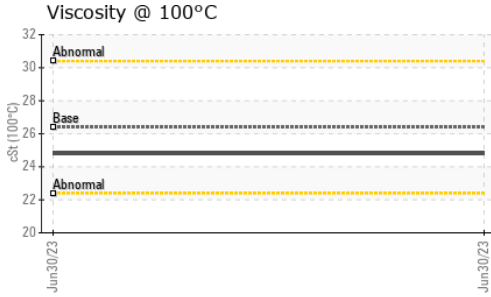
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >75 | 69 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | 4 | --- | --- |
| Potassium | ppm | ASTM D5185(m) >20 | 6 | --- | --- |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | Visual* NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* NONE | NONE | --- | --- |
| Precipitate | scalar | Visual* NONE | NONE | --- | --- |
| Silt | scalar | Visual* NONE | MODER | --- | --- |
| 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* >0.2 | NEG | --- | --- |
| Free Water | scalar | Visual* | NEG | --- | --- |

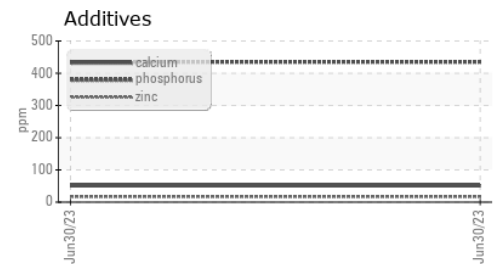
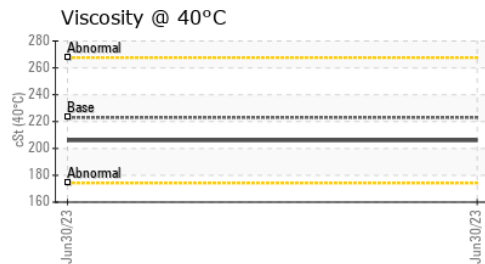
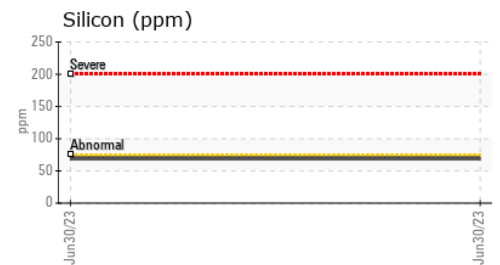
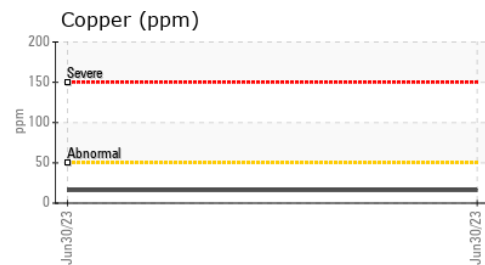
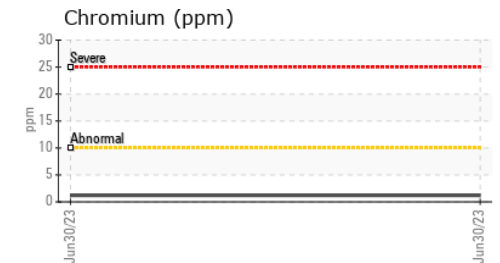
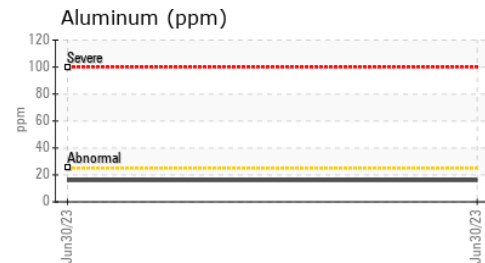
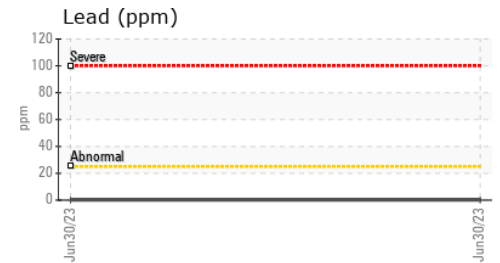
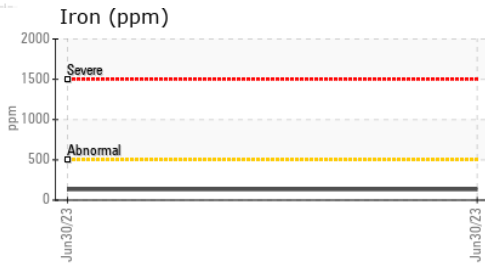
OIL ANALYSIS REPORT



| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|----------------------|-------|---------------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 223 | 206 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 26.39 | 24.8 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 151 | 150 | --- | --- |

| 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 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0078077 **Received** : 25 Jul 2023 151 Ram Forest Rd,
Lab Number : 02571990 **Diagnosed** : 25 Jul 2023 Stouffville, ON
Unique Number : 5617041 **Diagnostician** : Wes Davis CA L4A 2G8
Test Package : MOB 1 (Additional Tests: KV100, VI) Contact: Shannon Abbott

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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 F: