



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[4362]
 Machine Id
12-012-CD
 Component
New (Unused) Oil
 Fluid
PETRO CANADA LUMINOL TRI (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Wear

{not applicable}

Contamination

{not applicable}

Fluid Condition

Pour Point = -60°C.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number | Client Info | | | PP0000864 | --- | --- |
| Sample Date | Client Info | | | 13 Dec 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | Client Info | | | N/A | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

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

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|---------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| 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 | <1 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 10 | <1 | --- | --- |
| 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) | >5 | 0 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |

| 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 | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |



OIL ANALYSIS REPORT

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Pour Point | °C | ASTM D97* | -60 | -60 | --- |

| 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
Sample No. : PP0000864 **Recieved** : 14 Dec 2023
Lab Number : **02603359** **Diagnosed** : 18 Dec 2023
Unique Number : 5696444 **Diagnostician** : Kevin Marson
Test Package : TEST (Additional Tests: ICP, PourPt, Visual)

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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