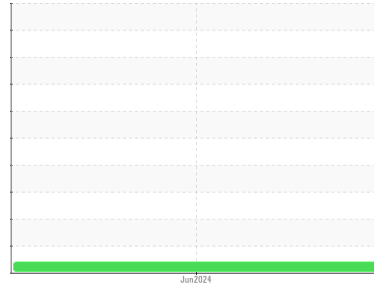


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
130613

Component
Natural Gas Engine

Fluid
PETRO CANADA SUPREME™ SYNTHETIC BLEND 5W20 (--- QTS)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number | Client Info | | | PCA0079230 | --- | --- |
| Sample Date | Client Info | | | 14 Jun 2024 | --- | --- |
| Machine Age | mls | Client Info | | 27295 | --- | --- |
| Oil Age | mls | Client Info | | 0 | --- | --- |
| Oil Changed | Client Info | | | Changed | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

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

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|-----------|----------|----------|
| Iron | ppm | ASTM D5185m | >50 | 11 | --- | --- |
| Chromium | ppm | ASTM D5185m | >4 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >2 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >9 | 4 | --- | --- |
| Lead | ppm | ASTM D5185m | >30 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >35 | 11 | --- | --- |
| Tin | ppm | ASTM D5185m | >4 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

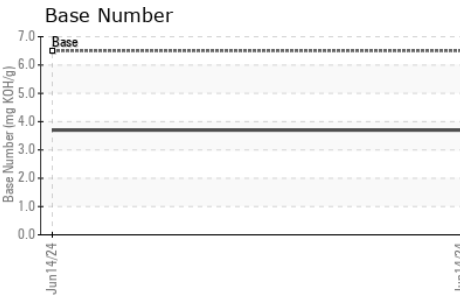
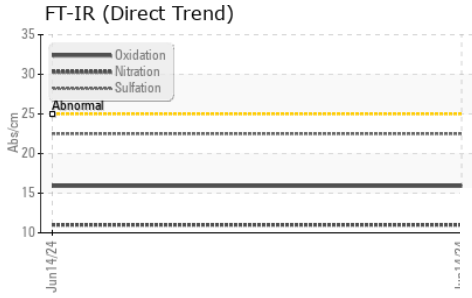
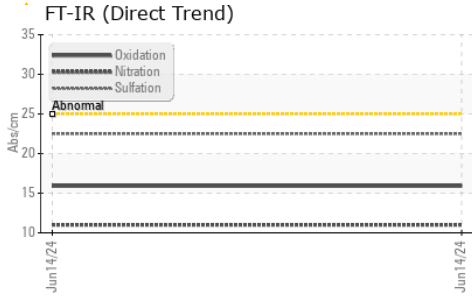
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|-------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 22 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 77 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 5 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 507 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 1064 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 770 | 676 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 795 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 2690 | 2831 | --- | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >+100 | 12 | --- | --- |
| Sodium | ppm | ASTM D5185m | | 4 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot % | % | *ASTM D7844 | | 0 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 11.0 | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 22.5 | --- | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-------------|------------|-------------|----------|----------|
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.9 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 6.5 | 3.7 | --- | --- |

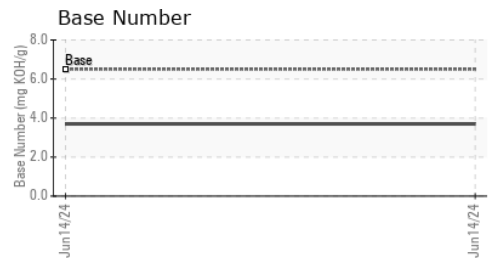
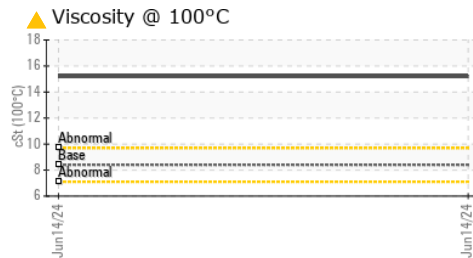
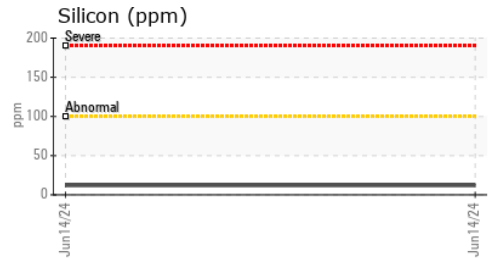
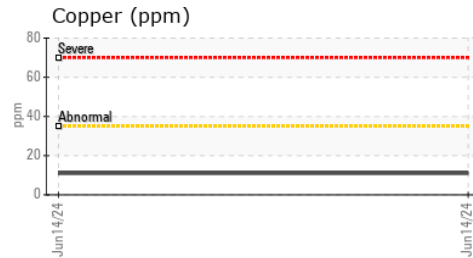
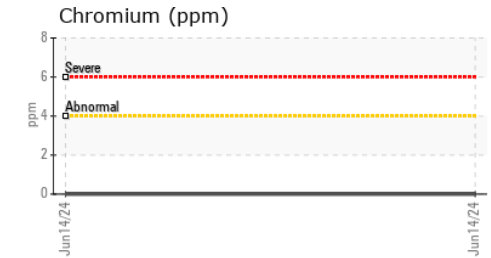
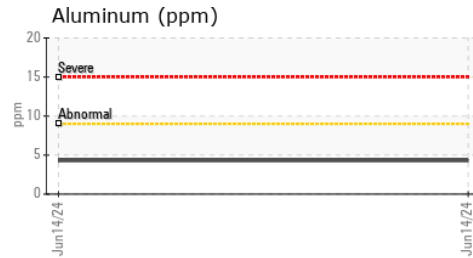
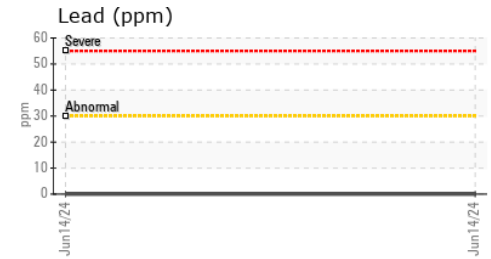
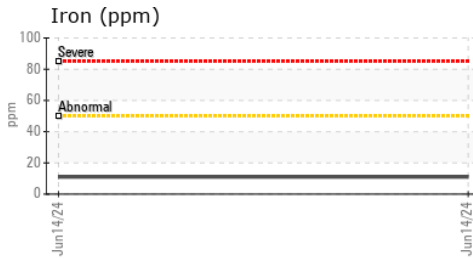
OIL ANALYSIS REPORT



| 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 | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 100°C | cSt | ASTM D445 | 8.4 | ▲ 15.2 | --- |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0079230 **Received** : 26 Jun 2024
Lab Number : 06220693 **Tested** : 27 Jun 2024
Unique Number : 11098890 **Diagnosed** : 27 Jun 2024 - Angela Borella
Test Package : MOB 1 (Additional Tests: TBN)

MILLER TRUCK LEASING #121
 107 HOW LANE
 NEW BRUNSWICK, NJ
 US 08901

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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 F: (732)400-8475