



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
PETERBILT 496560
Component
Diesel Engine
Fluid
CITGO CITGUARD 600 15W40 (24 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

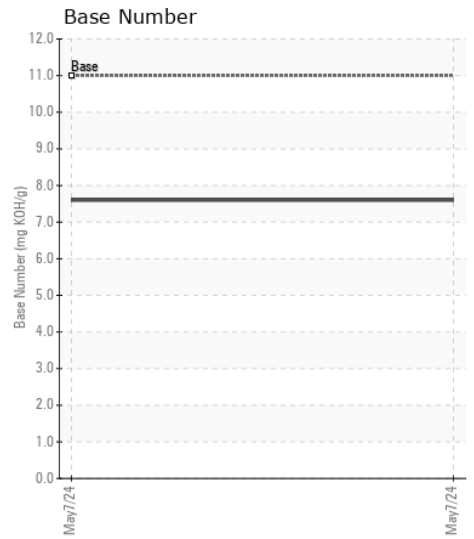
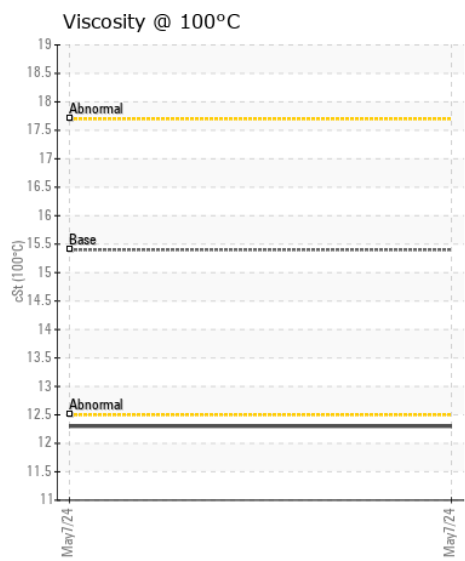
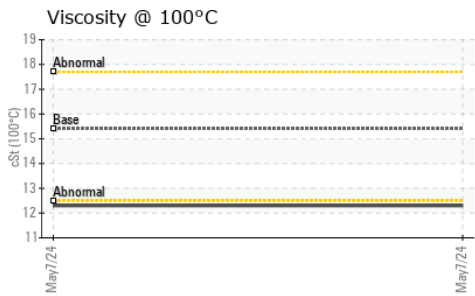
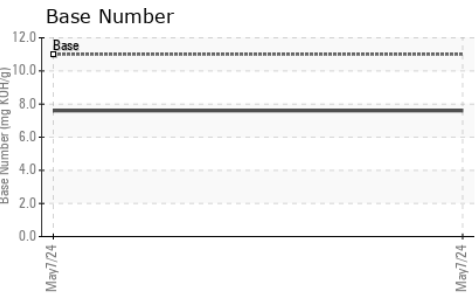
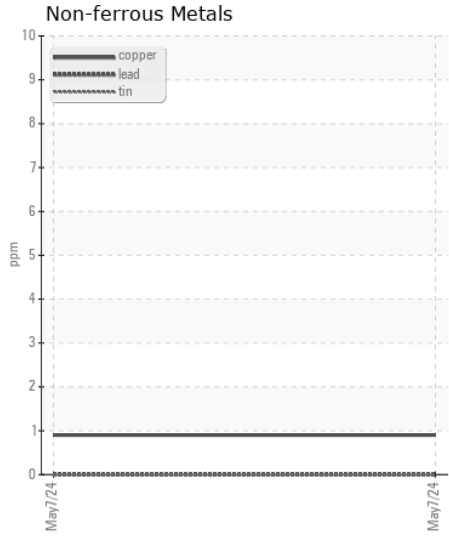
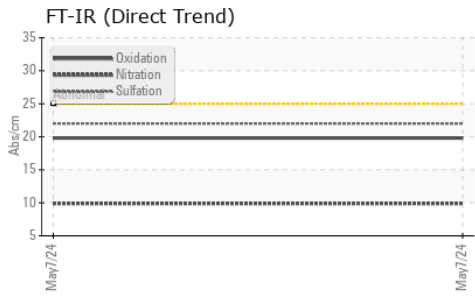
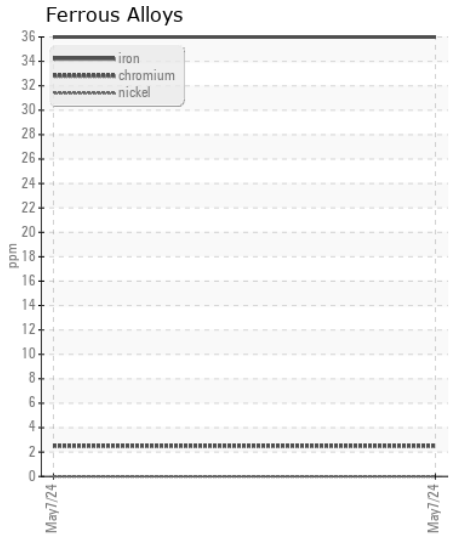
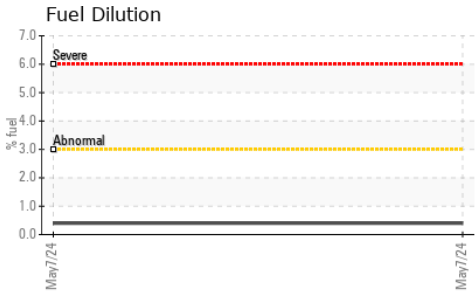
CONTAMINATION

Fuel content negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|----------|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | RPL0004179 | --- | --- |
| Sample Date | | Client Info | | 07 May 2024 | --- | --- |
| Machine Age | mls | Client Info | | 103618 | --- | --- |
| Oil Age | mls | Client Info | | 29238 | --- | --- |
| Filter Age | mls | Client Info | | 29238 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185m | >90 | 36 | --- | --- |
| Chromium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Nickel | ppm | ASTM D5185m | >2 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | >2 | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | >2 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 5 | --- | --- |
| Lead | ppm | ASTM D5185m | >40 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >330 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >25 | 8 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 6 | --- | --- |
| Fuel | % | ASTM D3524 | >3.0 | 0.4 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | *ASTM D7844 | >6 | 0.5 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 9.9 | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 22.0 | --- | --- |
| 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 | >0.2 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185m | | 2 | --- | --- |
| Boron | ppm | ASTM D5185m | 13 | 4 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 57 | 60 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 825 | 431 | --- | --- |
| Calcium | ppm | ASTM D5185m | 1100 | 1713 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 933 | 958 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1089 | 1234 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 2769 | 3420 | --- | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 19.8 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 11.0 | 7.6 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | 15.4 | 12.3 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0004179 **Received** : 13 May 2024
Lab Number : 06178257 **Tested** : 16 May 2024
Unique Number : 11029583 **Diagnosed** : 16 May 2024 - Wes Davis
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)