# OIL ANALYSIS REPORT

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

Machine Id
## PETERBILT 846-4104
Component
## Diesel Engine
Fluid
## CHEVRON DELO 400 LE 15W40 (--- GAL)

## 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

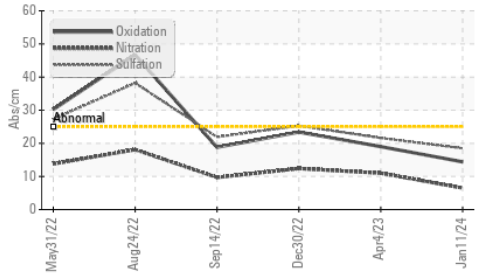
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | RPL0013527 | RPL0009100 | RPL0009038 |
| Sample Date | | Client Info | | 11 Jan 2024 | 04 Apr 2023 | 30 Dec 2022 |
| Machine Age | mls | Client Info | | 436556 | 430386 | 413648 |
| Oil Age | mls | Client Info | | 2332 | 16738 | 21253 |
| Filter Age | mls | Client Info | | 2332 | 16738 | 21253 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |
| Iron | ppm | ASTM D5185m | >110 | 20 | 38 | ▲ 114 |
| Chromium | ppm | ASTM D5185m | >4 | <1 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 2 | 6 |
| Lead | ppm | ASTM D5185m | >45 | 0 | <1 | 19 |
| Copper | ppm | ASTM D5185m | >85 | 3 | <1 | 6 |
| Tin | ppm | ASTM D5185m | >4 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >30 | 5 | 5 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 5 | 14 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.1 | 0.4 | 0.6 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 6.5 | 11.0 | 12.4 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.5 | 21.6 | 25.3 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 2 | 2 | 3 |
| Boron | ppm | ASTM D5185m | | 9 | 2 | 7 |
| Barium | ppm | ASTM D5185m | | 1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 63 | 54 | 59 |
| Manganese | ppm | ASTM D5185m | | 2 | 1 | 1 |
| Magnesium | ppm | ASTM D5185m | | 945 | 835 | 802 |
| Calcium | ppm | ASTM D5185m | | 1093 | 1010 | 1090 |
| Phosphorus | ppm | ASTM D5185m | 1200 | 1067 | 823 | 847 |
| Zinc | ppm | ASTM D5185m | 1300 | 1239 | 1088 | 1052 |
| Sulfur | ppm | ASTM D5185m | 3200 | 3788 | 2969 | 3924 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 14.4 | 19.0 | 23.4 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.6 | 9.6 | 5.3 | 5.3 |
| Visc @ 100°C | cSt | ASTM D445 | 15.7 | 12.8 | 13.3 | 12.7 |

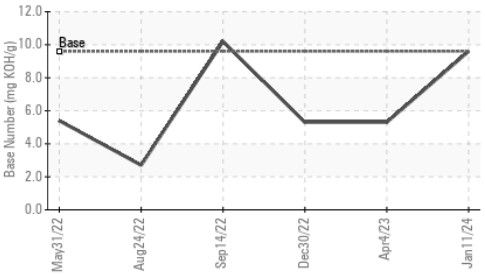
Report Id: PAC7011 [WUSCAR] 06155686 (Generated: 04/24/2024 11:23:56) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

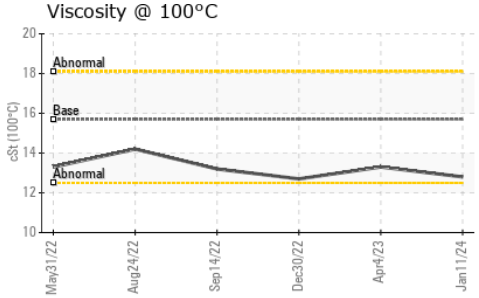
FT-IR (Direct Trend)



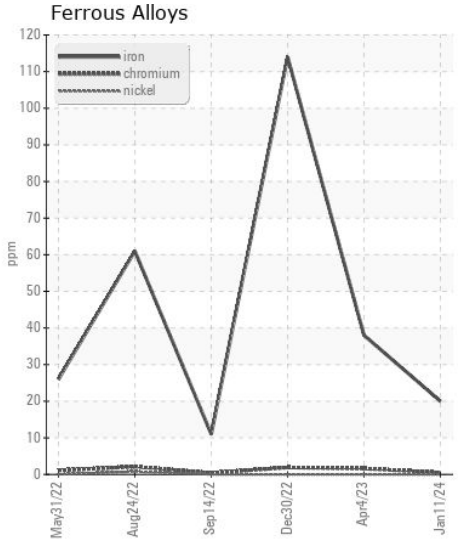

Base Number



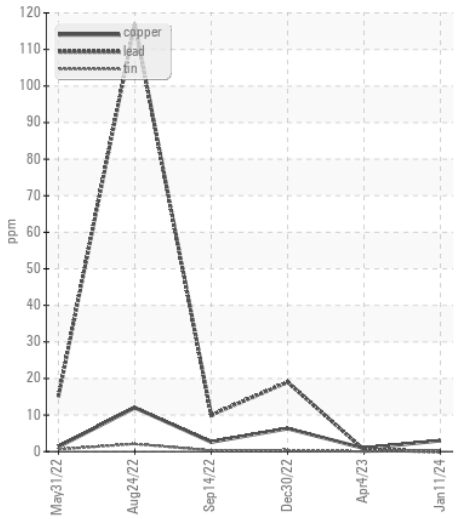

Viscosity @ 100°C



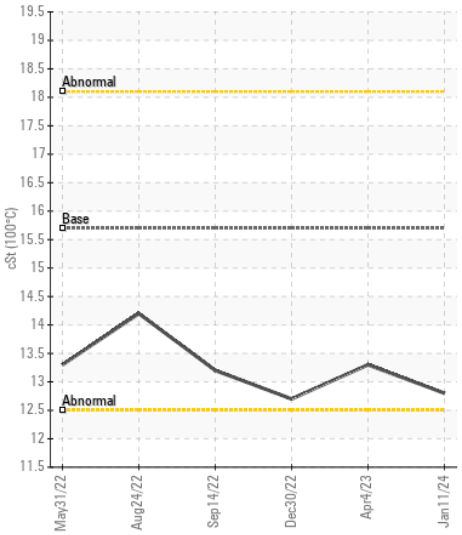

Ferrous Alloys



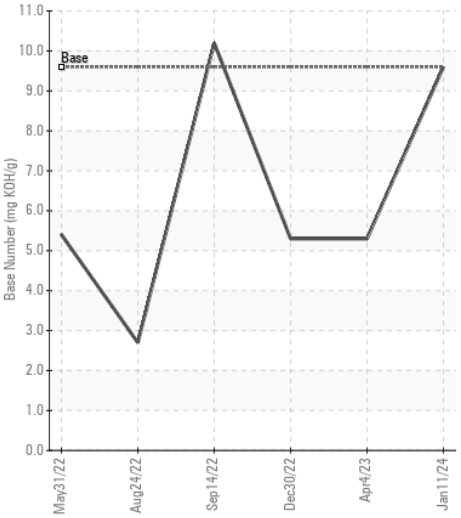

Non-ferrous Metals




Viscosity @ 100°C




Base Number




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : RPL0013527
**Lab Number** : 06155686
**Unique Number** : 10991109
**Test Package** : FLEET

**Received** : 22 Apr 2024
**Tested** : 23 Apr 2024
**Diagnosed** : 24 Apr 2024 - Don Baldridge

*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)*

**RTL PACLEASE - 7011 - El Cajon**
275 Vernon Way
El Cajon, CA
US 92020
Contact: Rudy Manager
TrevizoR@RushEnterprises.Com
T: (909)829-1044
F: