



PacLease

OIL ANALYSIS REPORT

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

Machine Id
139-436
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0016767 | RPL0015246 | RPL0007916 |
| Sample Date | | Client Info | | 12 Apr 2024 | 01 Mar 2024 | 30 May 2023 |
| Machine Age | mls | Client Info | | 316400 | 316400 | 272770 |
| Oil Age | mls | Client Info | | 257119 | 300749 | 272770 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | SEVERE | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 4 | 30 | 19 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 2 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 4 | 6 | 7 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 4 |
| Copper | ppm | ASTM D5185m | >330 | 0 | 2 | <1 |
| Tin | ppm | ASTM D5185m | >15 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

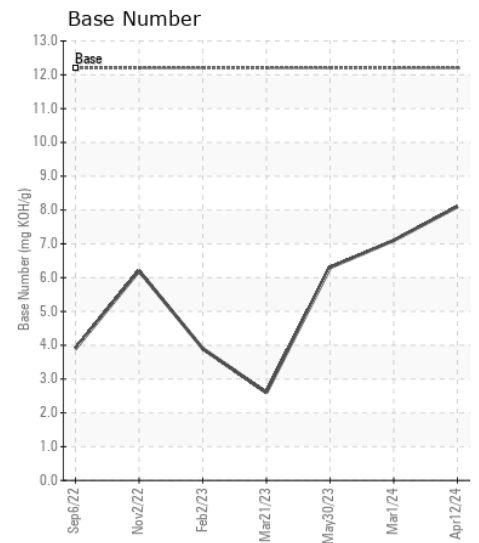
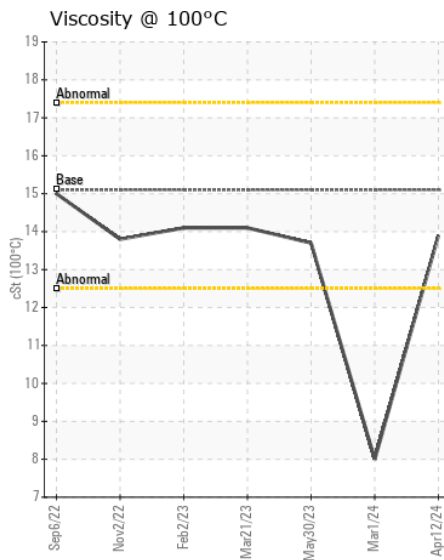
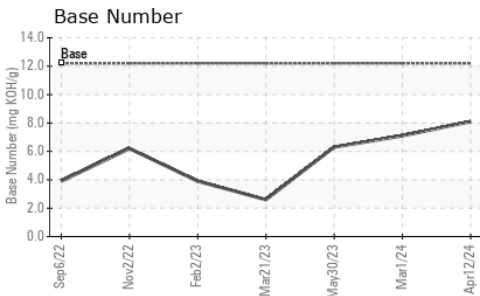
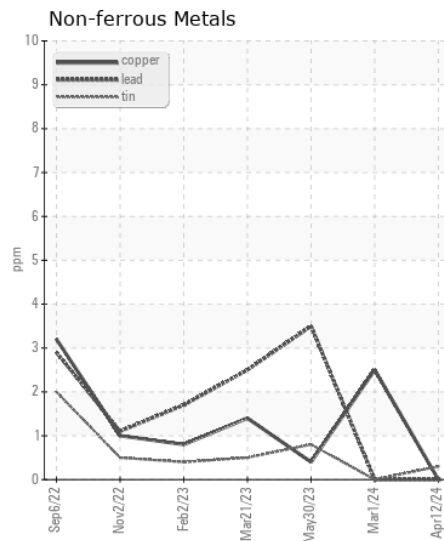
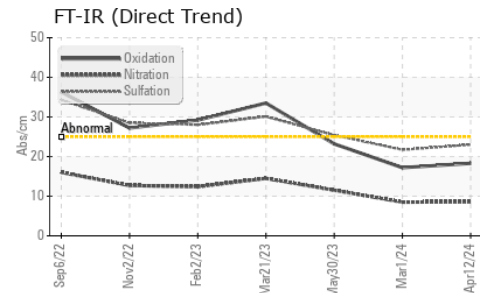
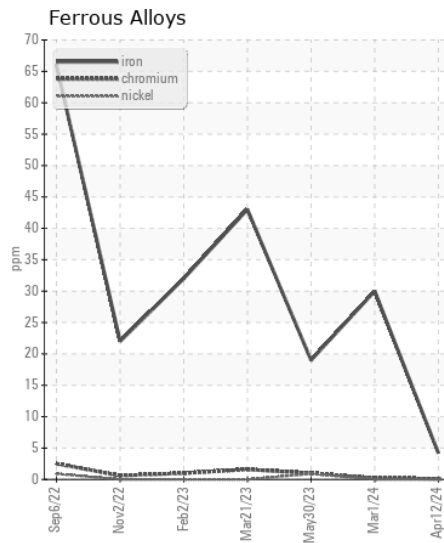
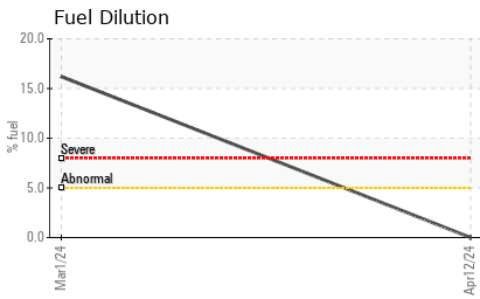
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|--------------|--------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 6 | 9 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 5 | 37 |
| Fuel | % | ASTM D3524 | >5 | 0.0 | ▲ 16.2 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.1 | 0.2 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.6 | 8.5 | 11.5 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 23.0 | 21.7 | 25.4 |
| 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 |

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.

| | | | | | | |
|------------------|----------|-------------|------|-------------|-------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 4 | 1 |
| Boron | ppm | ASTM D5185m | | 257 | 199 | 153 |
| Barium | ppm | ASTM D5185m | | 0 | 1 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 117 | 90 | 197 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 710 | 530 | 654 |
| Calcium | ppm | ASTM D5185m | | 1543 | 1271 | 1510 |
| Phosphorus | ppm | ASTM D5185m | 1360 | 714 | 547 | 689 |
| Zinc | ppm | ASTM D5185m | 1480 | 832 | 640 | 867 |
| Sulfur | ppm | ASTM D5185m | | 2833 | 2160 | 3090 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 18.3 | 17.2 | 23.2 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 12.2 | 8.1 | 7.1 | 6.3 |
| Visc @ 100°C | cSt | ASTM D445 | 15.1 | 13.9 | ▲ 8.0 | 13.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016767 **Received** : 17 Apr 2024
Lab Number : 06151677 **Tested** : 22 Apr 2024
Unique Number : 10981755 **Diagnosed** : 22 Apr 2024 - Wes Davis
Test Package : FLEET (Additional Tests: 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)