



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

Area
(T513198) 600HP
Machine Id
482314 [600HP]
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0101209 | PCA0073140 | PCA0067735 |
| Sample Date | | Client Info | | 29 Dec 2023 | 13 Jun 2023 | 29 Sep 2022 |
| Machine Age | hrs | Client Info | | 33638 | 30952 | 27843 |
| Oil Age | hrs | Client Info | | 3000 | 3000 | 3100 |
| Filter Age | hrs | Client Info | | 3000 | 3000 | 3100 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 19 | 23 | 27 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | <1 | 3 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 0 | 0 | 1 |
| Tin | ppm | ASTM D5185m | >15 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

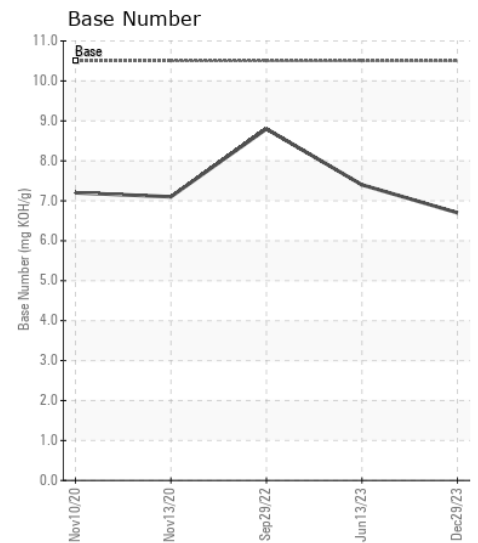
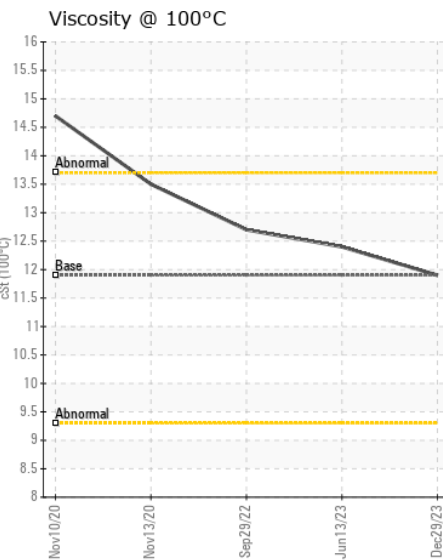
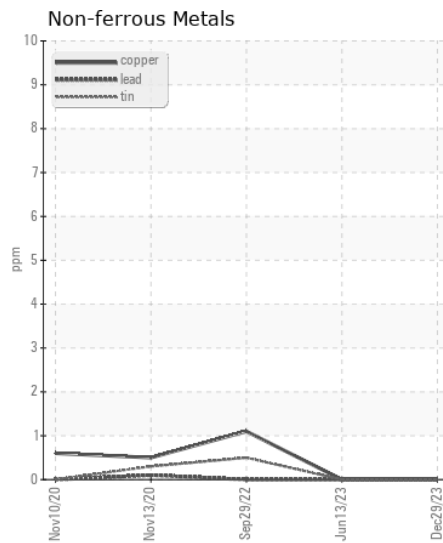
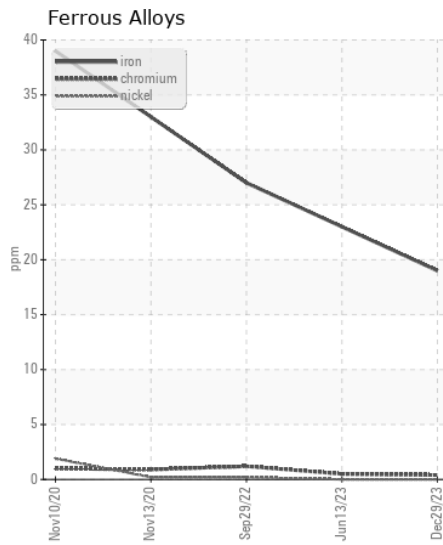
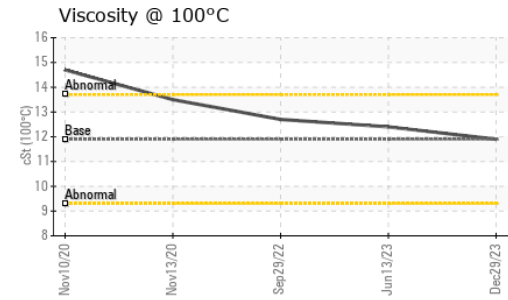
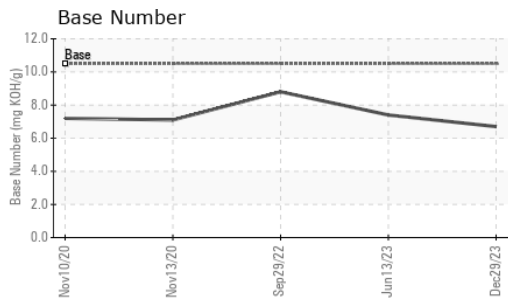
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 3 | 3 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| 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 | 0.8 | 0.8 | 1.1 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 12.7 | 14.1 | 13.9 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 24.2 | 25.1 | 26.7 |
| 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 | | 4 | 4 | 5 |
| Boron | ppm | ASTM D5185m | | 11 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 59 | 64 | 69 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | | 909 | 1063 | 1041 |
| Calcium | ppm | ASTM D5185m | | 998 | 1176 | 1161 |
| Phosphorus | ppm | ASTM D5185m | | 956 | 1054 | 1124 |
| Zinc | ppm | ASTM D5185m | | 1199 | 1335 | 1372 |
| Sulfur | ppm | ASTM D5185m | | 2719 | 3563 | 3393 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 24.6 | 26.6 | 27.7 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 10.5 | 6.7 | 7.4 | 8.8 |
| Visc @ 100°C | cSt | ASTM D445 | 11.9 | 11.9 | 12.4 | 12.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101209 **Recieved** : 16 Jan 2024
Lab Number : 06060605 **Diagnosed** : 16 Jan 2024
Unique Number : 10831987 **Diagnostician** : Don Baldrige
Test Package : FLEET

McLane Company - High Plains - 600HP
 1717 East Loop 289
 LUBBOCK, TX
 US 79403
 Contact: RITA GARCIA
 rita.garcia@mcclaneco.com
 T: (806)766-2902
 F:

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)