



OIL ANALYSIS REPORT

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



Area
OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL

Machine Id
69.11 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Component
Differential

Fluid
MOBIL MOBILGEAR 629 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0886877 | WC0746240 | WC0686845 |
| Sample Date | | Client Info | | 20 Feb 2024 | 11 Nov 2022 | 26 Apr 2022 |
| Machine Age | hrs | Client Info | | 10382 | 7993 | 8911 |
| Oil Age | hrs | Client Info | | 1947 | 5673 | 3238 |
| Filter Age | hrs | Client Info | | 1947 | 5673 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Not Changd |
| Filter Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | ATTENTION | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >500 | 36 | 29 | 40 |
| Chromium | ppm | ASTM D5185m | >3 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >3 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | >2 | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Aluminum | ppm | ASTM D5185m | >30 | 1 | 1 | 2 |
| Lead | ppm | ASTM D5185m | >13 | <1 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >103 | 3 | 2 | 2 |
| Tin | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

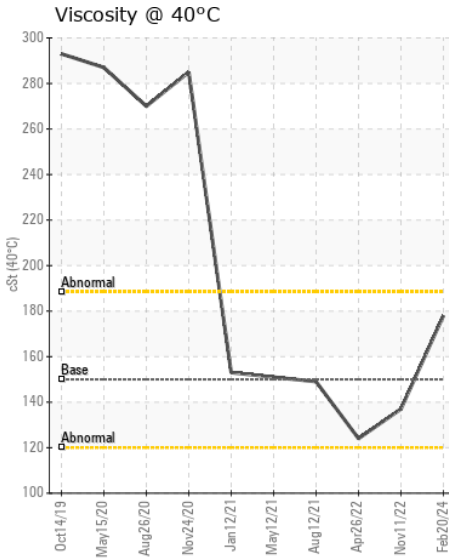
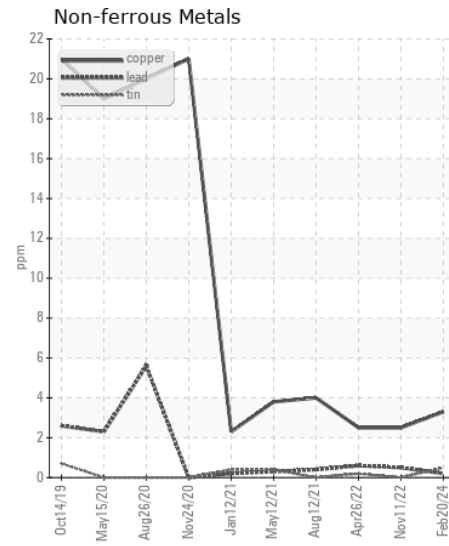
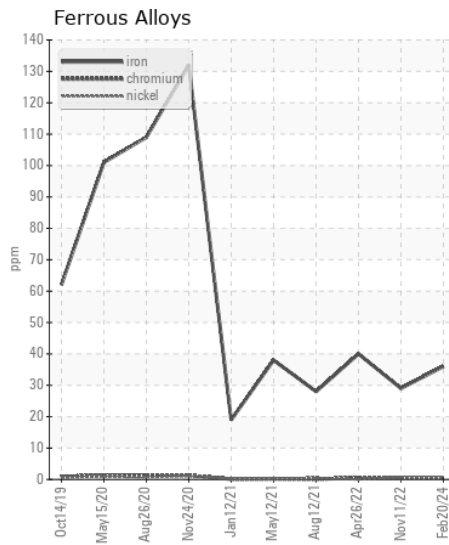
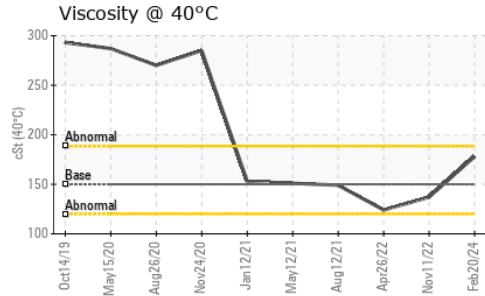
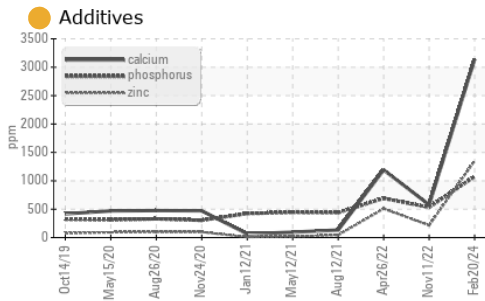
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >100 | 13 | 35 | 33 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 0 | 1 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| 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 | >.2 | NEG | NEG | NEG |

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-----|------|
| Sodium | ppm | ASTM D5185m | | 2 | 0 | <1 |
| Boron | ppm | ASTM D5185m | | 8 | 4 | 18 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 4 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 39 | 4 | 6 |
| Calcium | ppm | ASTM D5185m | | 3137 | 577 | 1190 |
| Phosphorus | ppm | ASTM D5185m | | 1075 | 533 | 691 |
| Zinc | ppm | ASTM D5185m | | 1350 | 217 | 508 |
| Sulfur | ppm | ASTM D5185m | | 8292 | 934 | 1581 |
| Visc @ 40°C | cSt | ASTM D445 | 150 | 178 | 137 | 124 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0886877
Lab Number : 06103385
Unique Number : 10901615
Test Package : CONST

Received : 28 Feb 2024
Tested : 29 Feb 2024
Diagnosed : 01 Mar 2024 - Sean Felton

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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)