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

Machine Id
Q60878.02 (S/N CB0385)
 Component
Left Outer Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | JR0219356 | --- | --- |
| Sample Date | | Client Info | | 15 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 2723 | --- | --- |
| Oil Age | hrs | Client Info | | 2723 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

Bearing and/or bushing wear is indicated.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|---------|----------|----------|
| PQ | | ASTM D8184 | | 332 | --- | --- |
| Iron | ppm | ASTM D5185m | >500 | ▲ 852 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 8 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >100 | ▲ 101 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 4 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

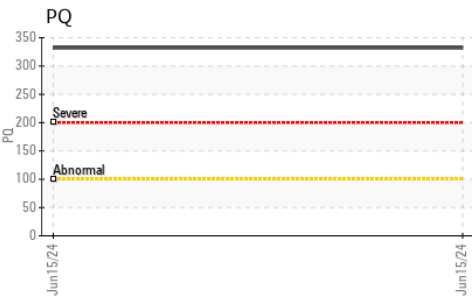
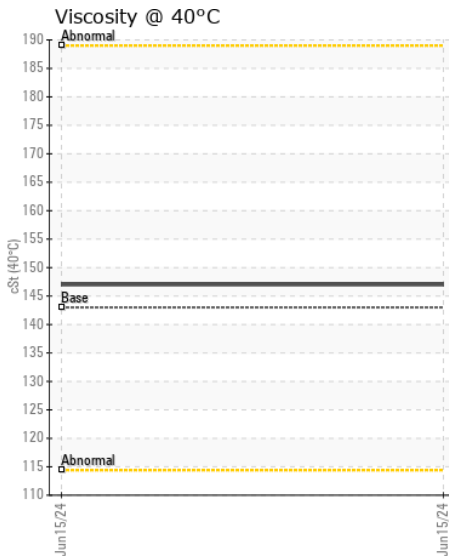
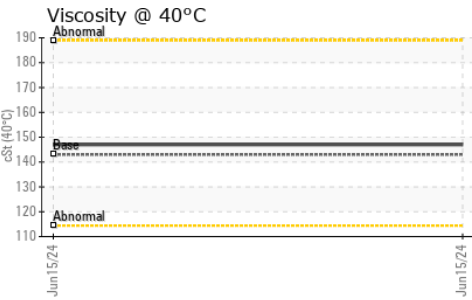
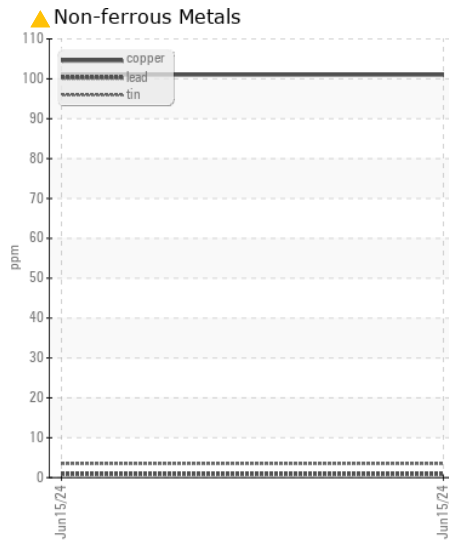
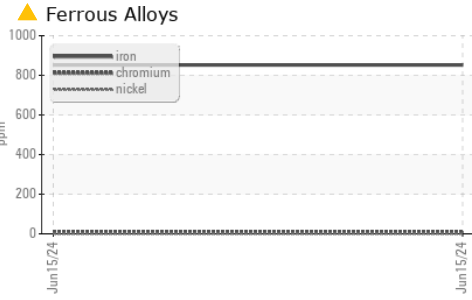
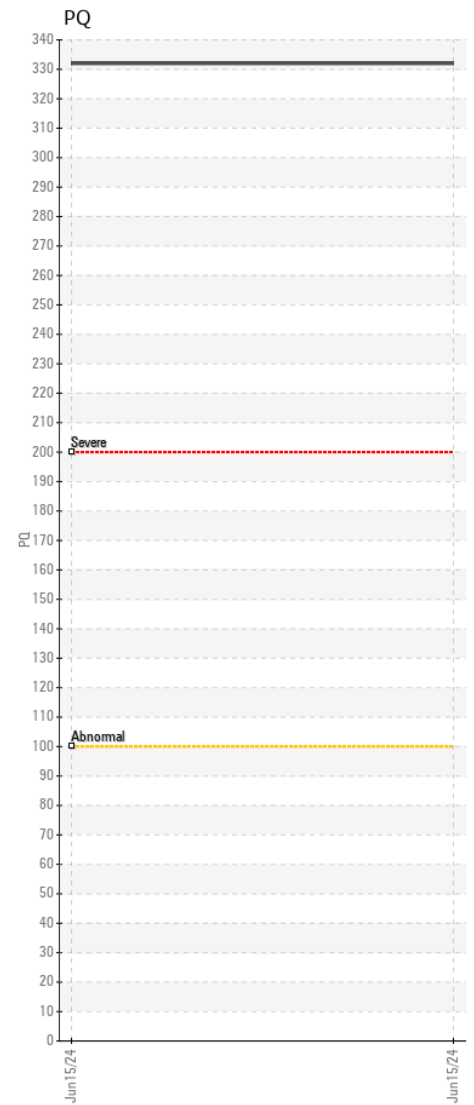
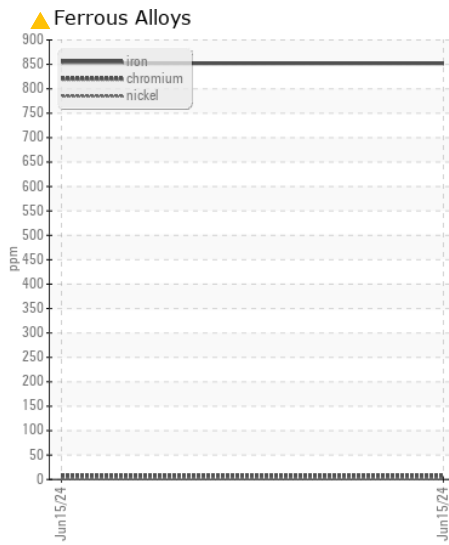
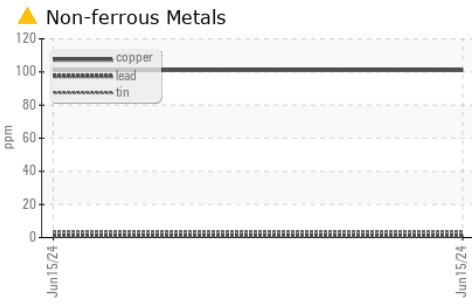
There is no indication of any contamination in the oil.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|---------|----------|----------|
| Silicon | ppm | ASTM D5185m | >75 | 48 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Water | | WC Method | >.2 | NEG | --- | --- |
| 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 | >.2 | NEG | --- | --- |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|-------------|-----|-------------|-----------|---------|----------|----------|
| Sodium | ppm | ASTM D5185m | >170 | 13 | --- | --- |
| Boron | ppm | ASTM D5185m | 400 | 13 | --- | --- |
| Barium | ppm | ASTM D5185m | 200 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 6 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 12 | 4 | --- | --- |
| Calcium | ppm | ASTM D5185m | 150 | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 486 | --- | --- |
| Zinc | ppm | ASTM D5185m | 125 | 27 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 14518 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 143 | 147 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219356 **Received** : 18 Jun 2024
Lab Number : 06213779 **Tested** : 20 Jun 2024
Unique Number : 11086643 **Diagnosed** : 20 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: Ray Benson
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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)