



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

Machine Id
DT668
 Component
Rear Differential
 Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (3 mls)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0113198 | PCA0096960 | PCA0080963 |
| Sample Date | | Client Info | | 20 Feb 2024 | 10 May 2023 | 30 Sep 2022 |
| Machine Age | mls | Client Info | | 190623 | 164778 | 138667 |
| Oil Age | mls | Client Info | | 25845 | 101997 | 101408 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Filter Changed | | Client Info | | None | None | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >500 | 81 | 96 | 88 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Aluminum | ppm | ASTM D5185m | >25 | 11 | <1 | 6 |
| Lead | ppm | ASTM D5185m | >25 | 1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >100 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

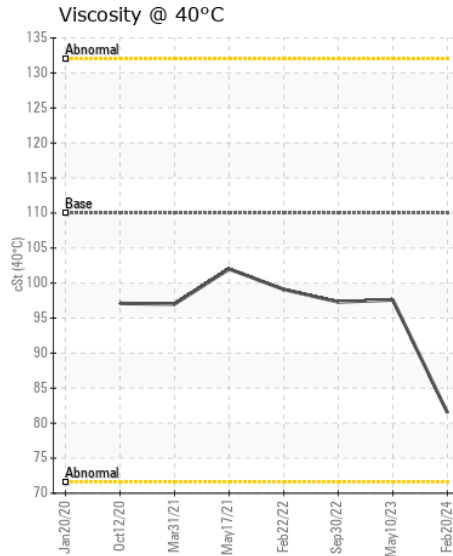
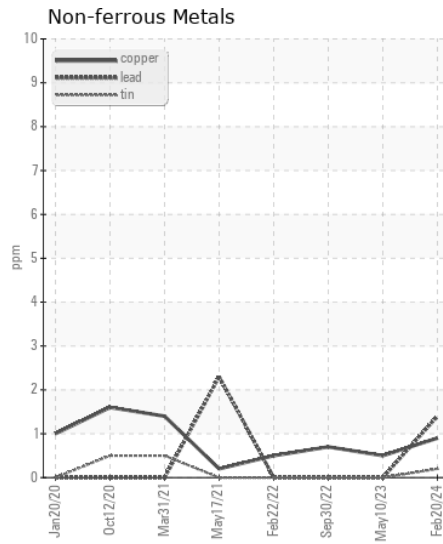
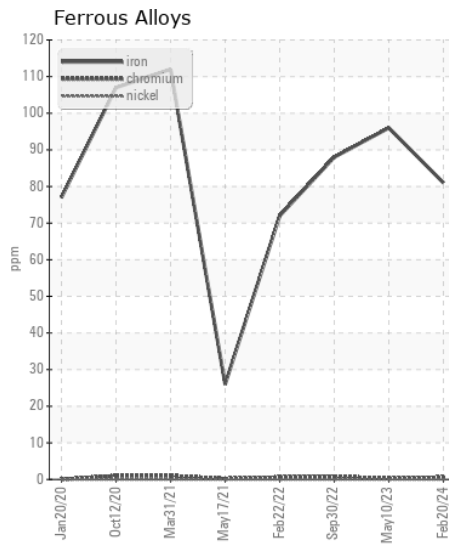
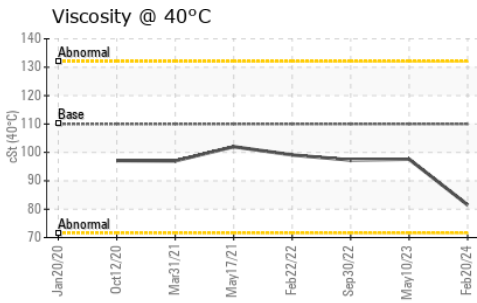
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 39 | 25 | 23 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | 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

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 3 | 3 | 3 |
| Boron | ppm | ASTM D5185m | | 191 | 235 | 235 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Molybdenum | ppm | ASTM D5185m | | 19 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | 4 | 4 |
| Magnesium | ppm | ASTM D5185m | | 156 | 7 | 11 |
| Calcium | ppm | ASTM D5185m | | 277 | 14 | 15 |
| Phosphorus | ppm | ASTM D5185m | | 1215 | 1371 | 1329 |
| Zinc | ppm | ASTM D5185m | | 234 | 8 | 23 |
| Sulfur | ppm | ASTM D5185m | | 17350 | 25056 | 25987 |
| Visc @ 40°C | cSt | ASTM D445 | 110 | 81.5 | 97.6 | 97.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0113198
Lab Number : 06100475
Unique Number : 10898705
Test Package : FLEET

Received : 26 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Wes Davis

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673

Contact: James Threatt
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T: (864)918-4646

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)