



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

Machine Id
CHEVROLET KODIAC V77
Component
Differential
Fluid
GEAR OIL SAE 80W140 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0206204 | JR0115148 | JRMC468829 |
| Sample Date | | Client Info | | 11 Apr 2024 | 30 Mar 2022 | 17 Aug 2020 |
| Machine Age | hrs | Client Info | | 7953 | 7636 | 7383 |
| Oil Age | hrs | Client Info | | 1662 | 253 | 1092 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | | 61 | 49 | 58 |
| Iron | ppm | ASTM D5185m | >500 | 122 | 124 | 106 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | 2 |
| Lead | ppm | ASTM D5185m | >25 | 0 | <1 | 1 |
| Copper | ppm | ASTM D5185m | >100 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 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

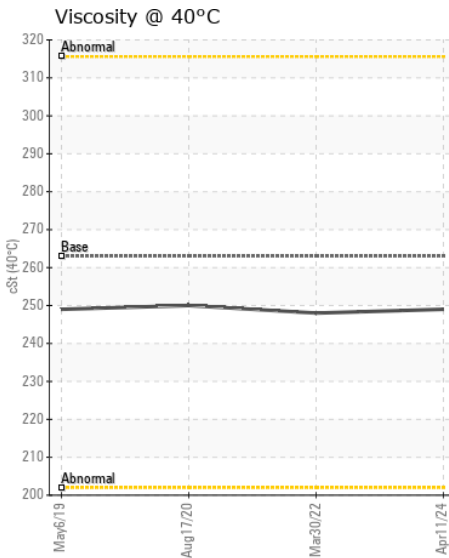
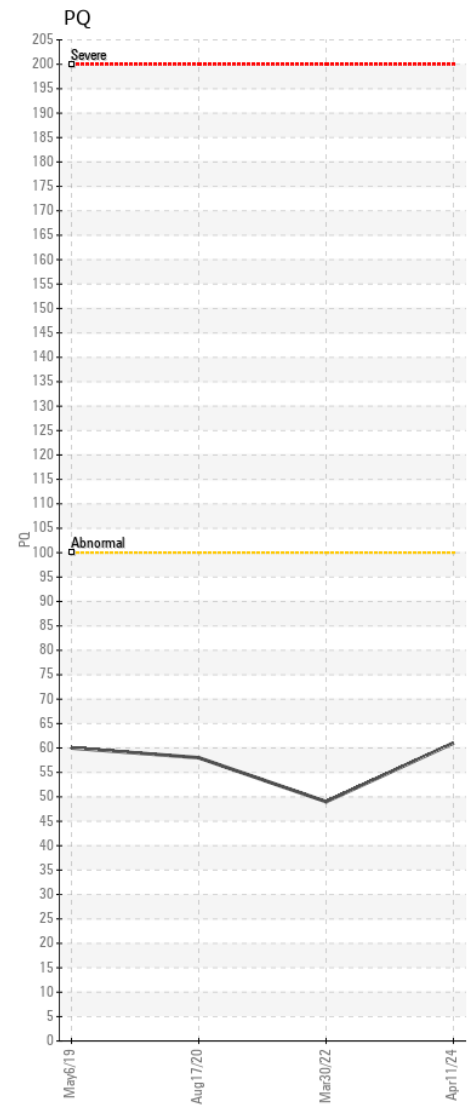
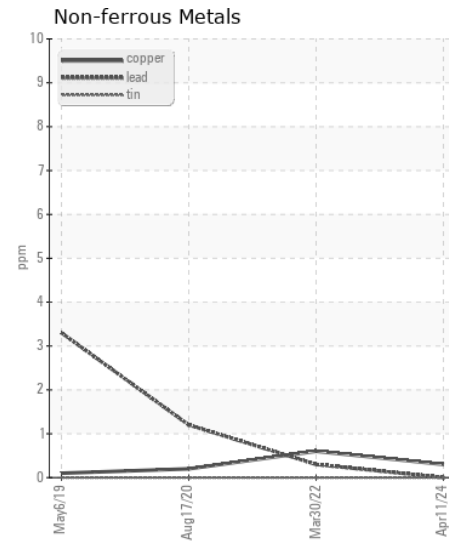
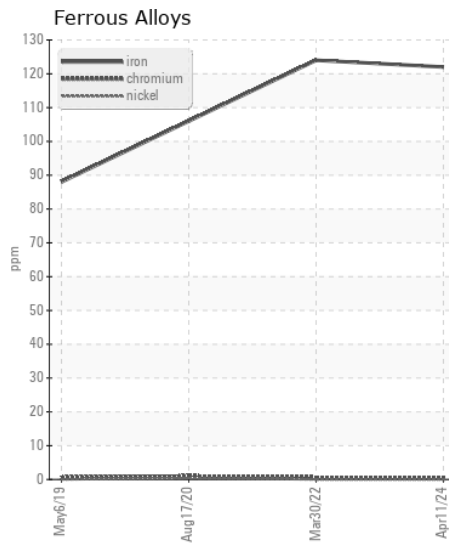
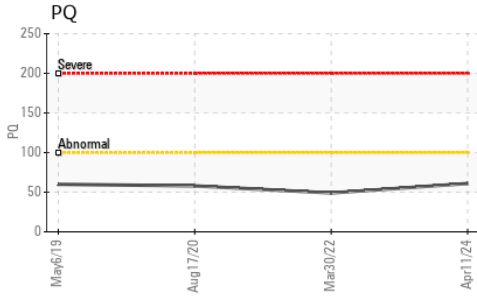
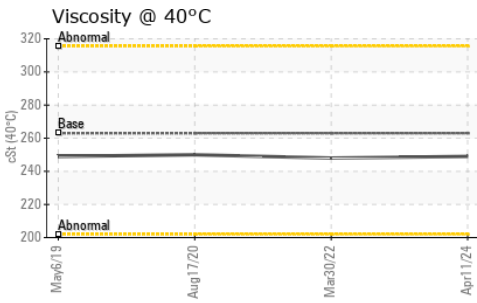
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 18 | 20 | 16 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | 6 |
| 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 | | 4 | 2 | 4 |
| Boron | ppm | ASTM D5185m | 400 | 214 | 256 | 183 |
| Barium | ppm | ASTM D5185m | 200 | 9 | 0 | 9 |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | 3 | 3 |
| Magnesium | ppm | ASTM D5185m | 12 | 2 | 2 | 2 |
| Calcium | ppm | ASTM D5185m | 150 | 6 | 7 | 12 |
| Phosphorus | ppm | ASTM D5185m | 1650 | 1100 | 913 | 877 |
| Zinc | ppm | ASTM D5185m | 125 | 3 | 2 | 7 |
| Sulfur | ppm | ASTM D5185m | 22500 | 20182 | 13100 | 14768 |
| Visc @ 40°C | cSt | ASTM D445 | 263 | 249 | 248 | 250 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206204 **Received** : 17 Apr 2024
Lab Number : 06152264 **Tested** : 19 Apr 2024
Unique Number : 10982342 **Diagnosed** : 19 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

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