



OIL ANALYSIS REPORT

|                 |                 |
|-----------------|-----------------|
| WEAR            | <b>ABNORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b>   |
| FLUID CONDITION | <b>NORMAL</b>   |

Area  
**Store 4 - Fairmont [RO# 152111]**  
Machine Id  
**CHEVY 1500 1GCVKNEC5JZ212552**  
Component  
**Front Axle**  
Fluid  
**GEAR OIL SAE 75W90 (2 QTS)**

**RECOMMENDATION**

The oil change at the time of sampling has been noted. 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 |           | LEC0048371  | ---      | ---      |
| Sample Date    |     | Client Info |           | 14 Jun 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 99460       | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 99460       | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Changed     | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A         | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

**WEAR**

Gear wear is indicated.

|              |        |             |      |       |     |     |
|--------------|--------|-------------|------|-------|-----|-----|
| PQ           |        | ASTM D8184  |      | 269   | --- | --- |
| Iron         | ppm    | ASTM D5185m | >500 | ▲ 713 | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >10  | 6     | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10  | ▲ 26  | --- | --- |
| Titanium     | ppm    | ASTM D5185m |      | <1    | --- | --- |
| Silver       | ppm    | ASTM D5185m |      | 0     | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >25  | 6     | --- | --- |
| Lead         | ppm    | ASTM D5185m | >25  | <1    | --- | --- |
| Copper       | ppm    | ASTM D5185m | >50  | 20    | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10  | 0     | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <1    | --- | --- |
| White Metal  | scalar | *Visual     | NONE | NONE  | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE  | --- | --- |

**CONTAMINATION**

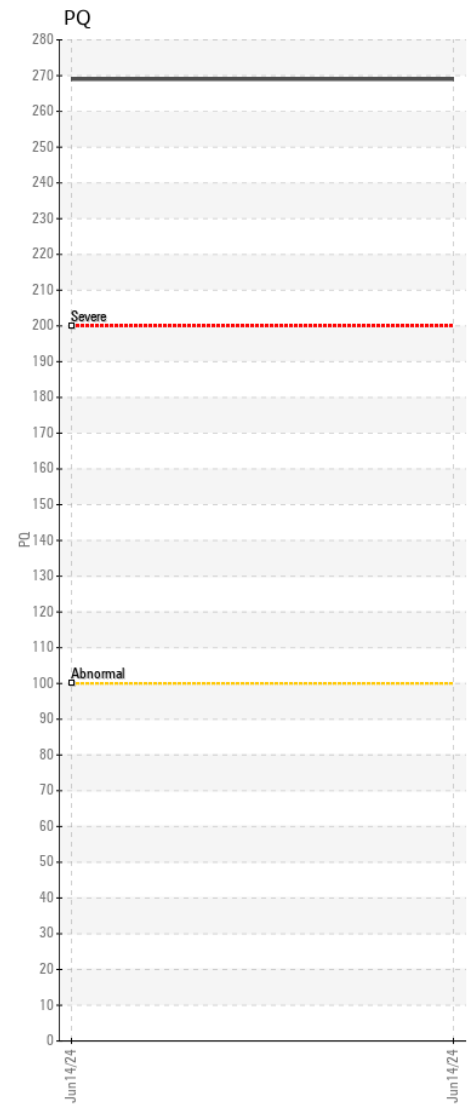
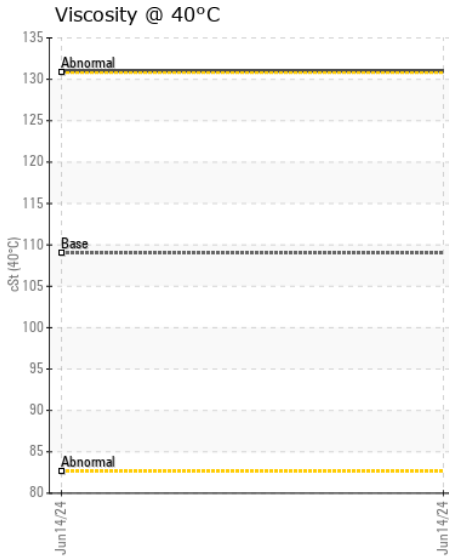
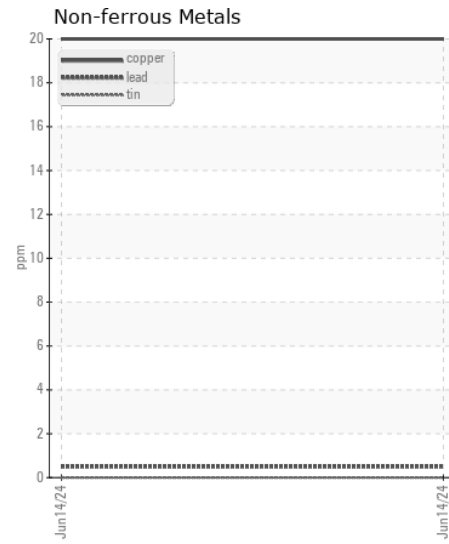
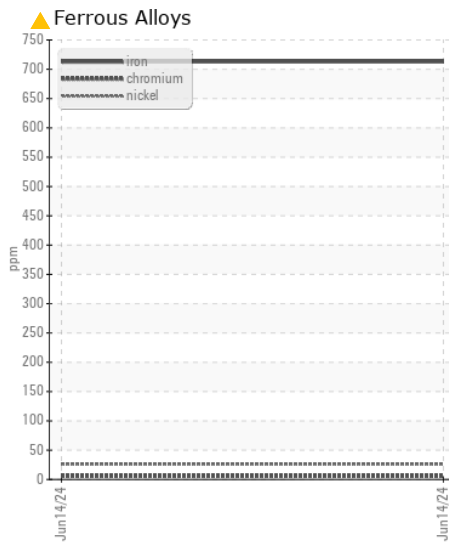
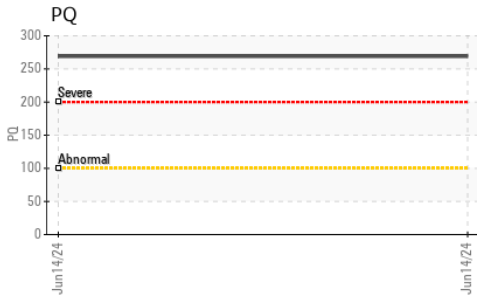
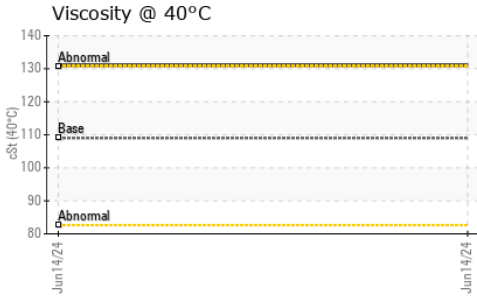
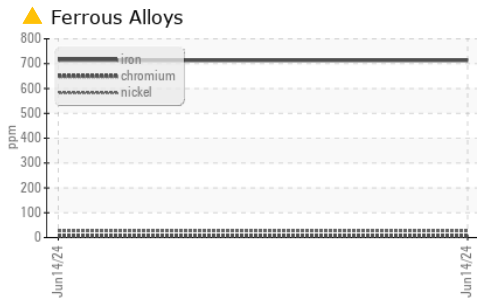
There is no indication of any contamination in the oil.

|                  |        |             |       |       |     |     |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >75   | 16    | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 9     | --- | --- |
| Water            |        | WC Method   | >0.2  | NEG   | --- | --- |
| Silt             | scalar | *Visual     | NONE  | MODER | --- | --- |
| 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     | >0.2  | NEG   | --- | --- |

**FLUID CONDITION**

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

|             |     |             |       |       |     |     |
|-------------|-----|-------------|-------|-------|-----|-----|
| Sodium      | ppm | ASTM D5185m |       | 12    | --- | --- |
| Boron       | ppm | ASTM D5185m | 400   | 146   | --- | --- |
| Barium      | ppm | ASTM D5185m | 200   | <1    | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 12    | <1    | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | 43    | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 12    | 2     | --- | --- |
| Calcium     | ppm | ASTM D5185m | 150   | 35    | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 1650  | 1090  | --- | --- |
| Zinc        | ppm | ASTM D5185m | 125   | 19    | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 22500 | 22923 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 109   | 131   | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048371 **Received** : 21 Jun 2024  
**Lab Number** : 06217066 **Tested** : 24 Jun 2024  
**Unique Number** : 11089930 **Diagnosed** : 24 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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)

T: (740)373-5570