



OIL ANALYSIS REPORT

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

Area

Store 1 - Cowen [147955]

Machine Id

WESTERN STAR 49X 5KJNBWFG6RLVG3104

Component

Transmission (Manual)

Fluid

SAE 50W (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | LEC0047381 | --- | --- |
| Sample Date | | Client Info | | 19 Feb 2024 | --- | --- |
| Machine Age | mls | Client Info | | 14550 | --- | --- |
| Oil Age | mls | Client Info | | 14550 | --- | --- |
| Filter Age | mls | Client Info | | 14550 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Not Changd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | >95 | 32 | --- | --- |
| Iron | ppm | ASTM D5185m | >200 | 67 | --- | --- |
| Chromium | ppm | ASTM D5185m | >5 | 1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | >7 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | --- | --- |
| Lead | ppm | ASTM D5185m | >45 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >225 | 6 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

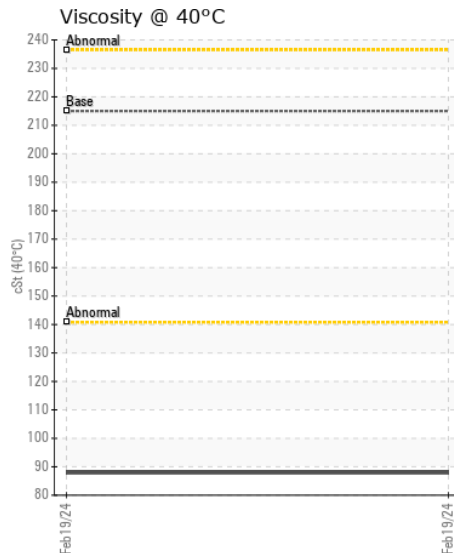
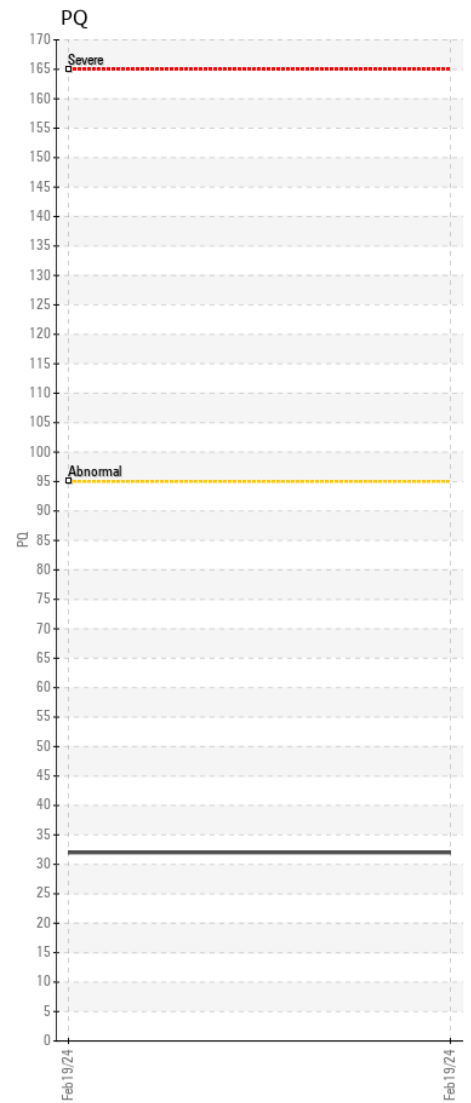
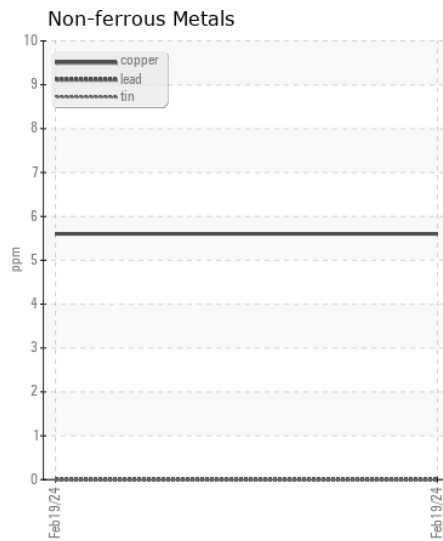
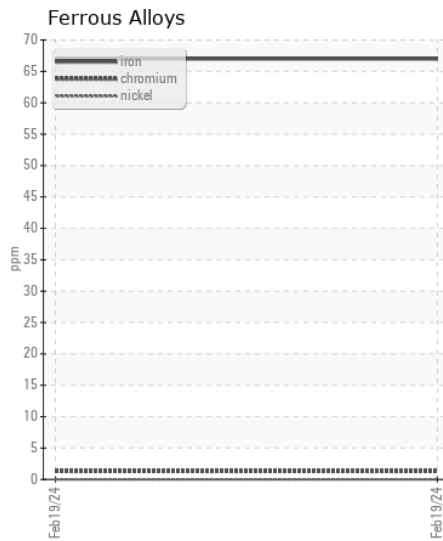
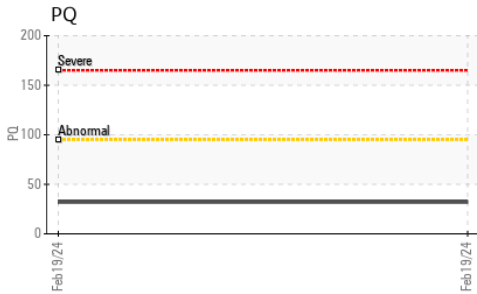
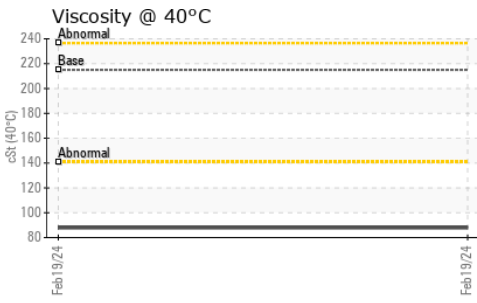
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >125 | 18 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |
| Water | | WC Method | >0.1 | 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 | >0.1 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 5 | --- | --- |
| Boron | ppm | ASTM D5185m | | 312 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 9 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 2 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 85 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1191 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 23 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 472 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 215 | 87.9 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047381 **Received** : 22 Feb 2024
Lab Number : 06097241 **Tested** : 23 Feb 2024
Unique Number : 10890094 **Diagnosed** : 23 Feb 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:
 F: (740)373-5570