



OIL ANALYSIS REPORT

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



Area
Store 2 - Beaver [RO#150716]
Machine Id
JOHN DEERE 450J 1T0450JXVCD228725
Component
Winch
Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | LEC0049997 | LECP170621 | --- |
| Sample Date | | Client Info | | 07 May 2024 | 22 Dec 2016 | --- |
| Machine Age | hrs | Client Info | | 912 | 504 | --- |
| Oil Age | hrs | Client Info | | 912 | 504 | --- |
| Filter Age | hrs | Client Info | | 408 | 504 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ | | ASTM D8184 | | 11 | 16 | --- |
| Iron | ppm | ASTM D5185m | >150 | 11 | 6 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Lead | ppm | ASTM D5185m | >15 | 7 | 6 | --- |
| Copper | ppm | ASTM D5185m | >80 | 6 | 5 | --- |
| Tin | ppm | ASTM D5185m | | 0 | 4 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

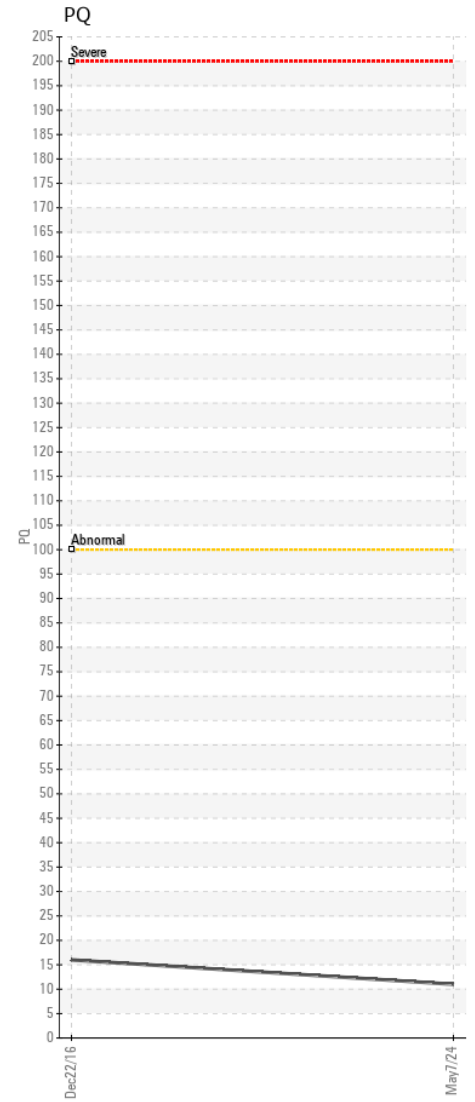
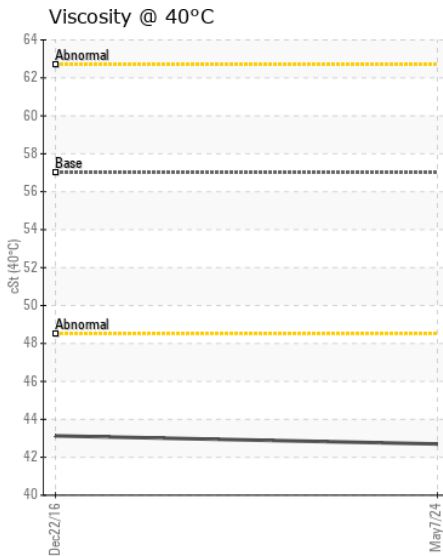
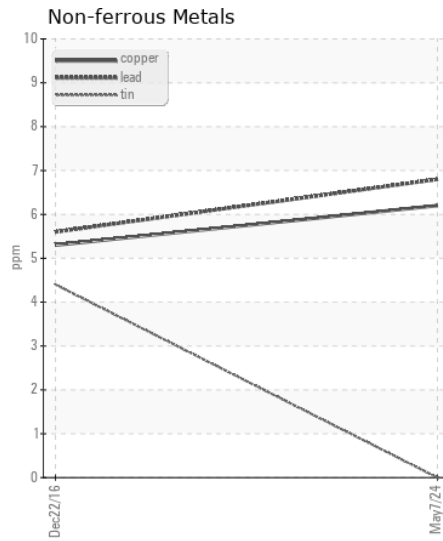
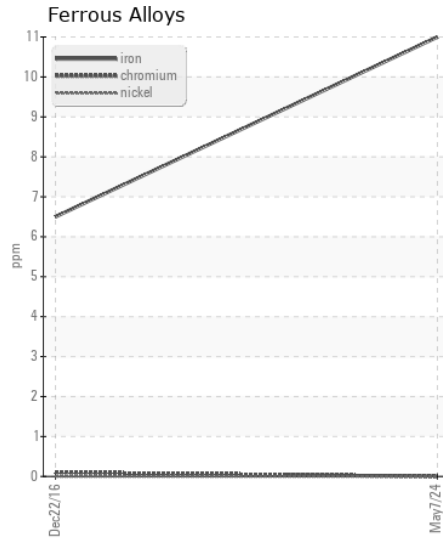
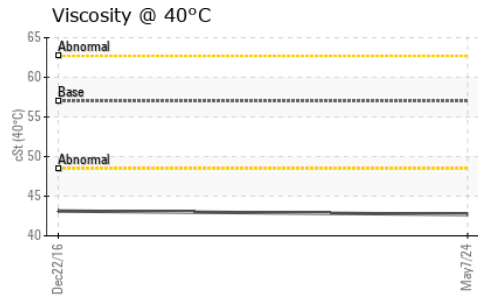
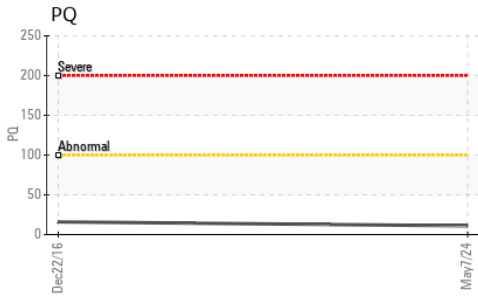
There is no indication of any contamination in the component.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >25 | 5 | 5 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 5 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | 13 | 13 | --- |
| Boron | ppm | ASTM D5185m | 6 | 5 | 7 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 2 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | 2 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | 1 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 0 | 23 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3207 | 3436 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1131 | 1032 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1340 | 1356 | --- |
| Sulfur | ppm | ASTM D5185m | | 4351 | 3736 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 42.7 | 43.13 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049997 **Received** : 10 May 2024
Lab Number : 06176344 **Tested** : 13 May 2024
Unique Number : 11022397 **Diagnosed** : 14 May 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)

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