



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

Area
[05W44323]
 Machine Id
JOHN DEERE 850L 1T0850LXVPF446530
 Component
Right Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0199094 | JR0183996 | --- |
| Sample Date | | Client Info | | 15 Jan 2024 | 28 Aug 2023 | --- |
| Machine Age | hrs | Client Info | | 983 | 474 | --- |
| Oil Age | hrs | Client Info | | 983 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | MARGINAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|-----|
| PQ | | ASTM D8184 | >1250 | 171 | 99 | --- |
| Iron | ppm | ASTM D5185m | >750 | 160 | 106 | --- |
| Chromium | ppm | ASTM D5185m | >9 | 1 | 1 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 2 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 8 | 6 | --- |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >40 | 1 | <1 | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

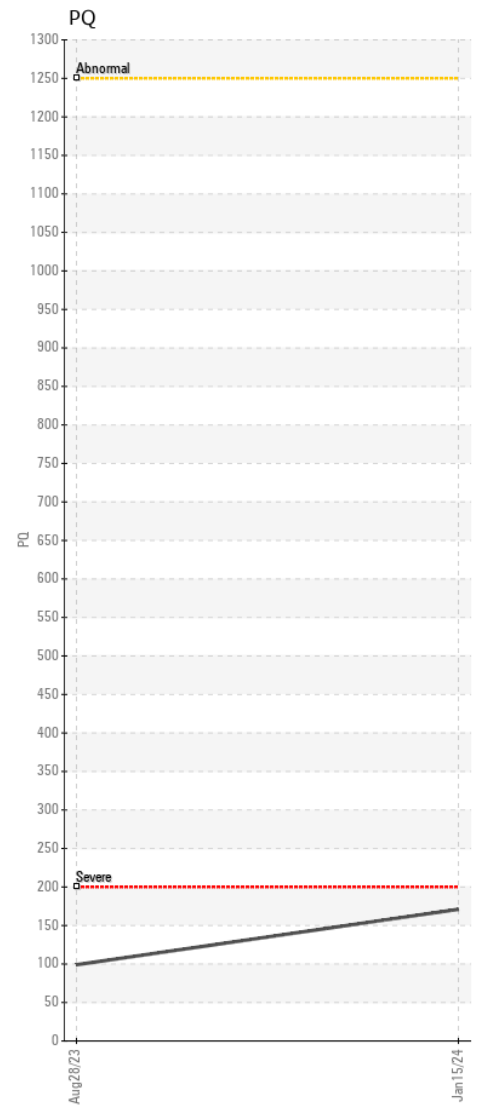
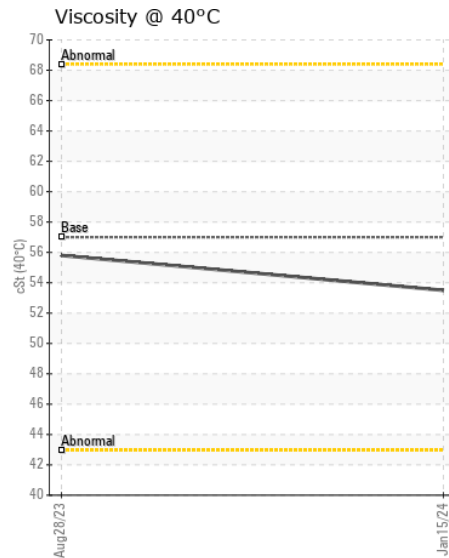
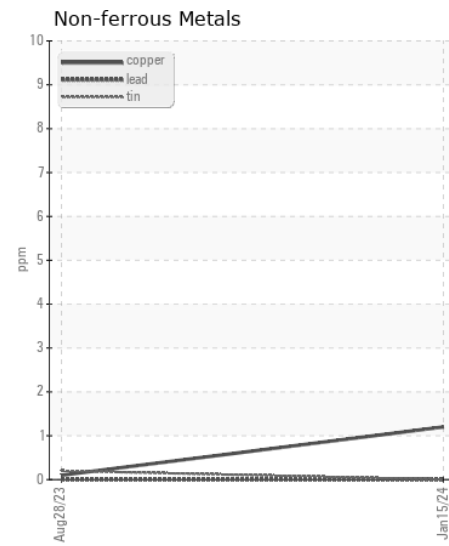
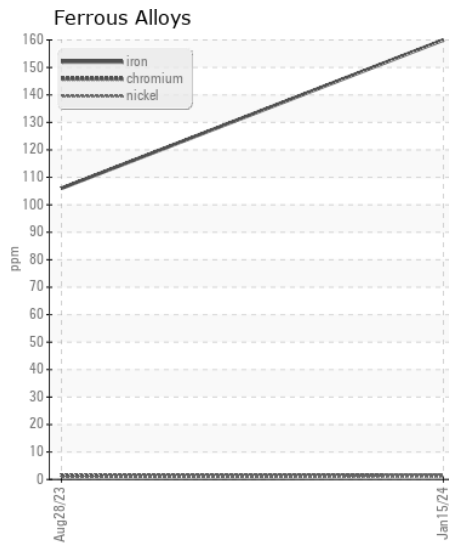
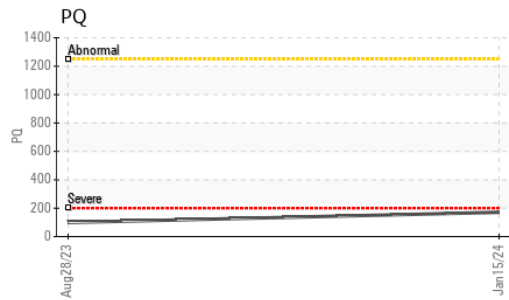
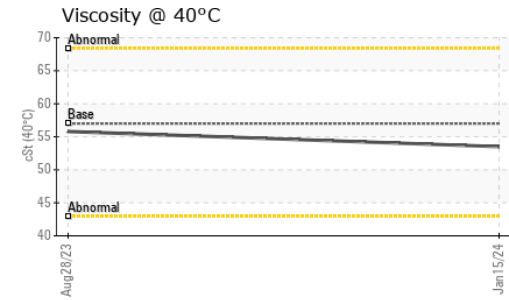
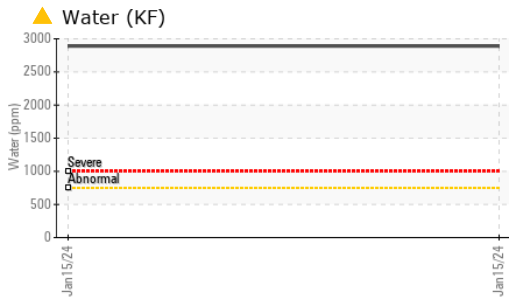
There is a light concentration of water present in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|----------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 34 | 24 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | --- |
| Water | % | ASTM D6304 | >0.075 | ▲ 0.289 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >750 | ▲ 2890 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | LIGHT | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.075 | 0.2% | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | >51 | 2 | 3 | --- |
| Boron | ppm | ASTM D5185m | 6 | <1 | 2 | --- |
| Barium | ppm | ASTM D5185m | 0 | 3 | 2 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 2 | 2 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 112 | 108 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3552 | 3639 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1035 | 1058 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1229 | 1279 | --- |
| Sulfur | ppm | ASTM D5185m | | 3897 | 4602 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.5 | 55.8 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199094 **Received** : 17 Jan 2024
Lab Number : 06063821 **Diagnosed** : 20 Jan 2024
Unique Number : 10835203 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: KF, 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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