



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



Area
[MURPHYS EXC]
 Machine Id
JOHN DEERE 300G 3602212 (S/N 1TT300GXAGF730338)
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0104678 | JR0021208 | JRMC449911 |
| Sample Date | | Client Info | | 03 Nov 2021 | 12 Nov 2019 | 17 Oct 2018 |
| Machine Age | hrs | Client Info | | 3017 | 2094 | 1501 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| PQ | | ASTM D8184 | | 22 | 17 | 16 |
| Iron | ppm | ASTM D5185m | >151 | 73 | 56 | 26 |
| Chromium | ppm | ASTM D5185m | >11 | 1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >21 | 5 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >51 | 0 | 1 | 0 |
| Copper | ppm | ASTM D5185m | >51 | <1 | 0 | 0 |
| Tin | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | VLITE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

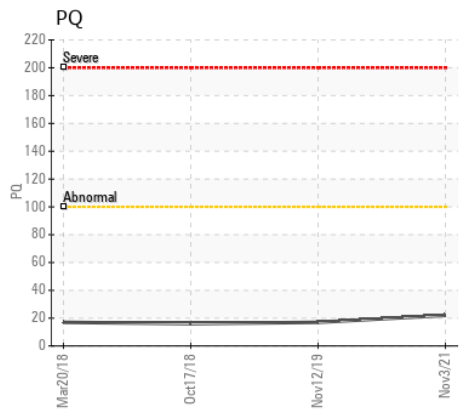
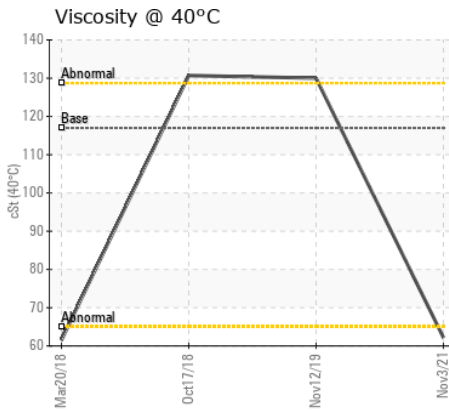
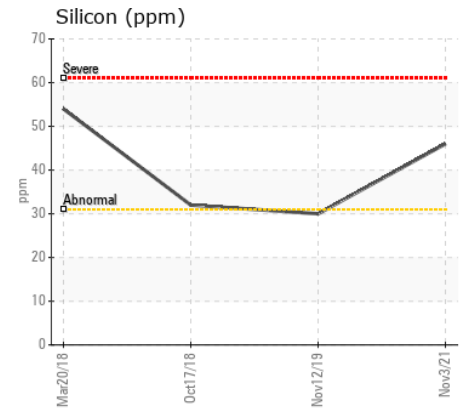
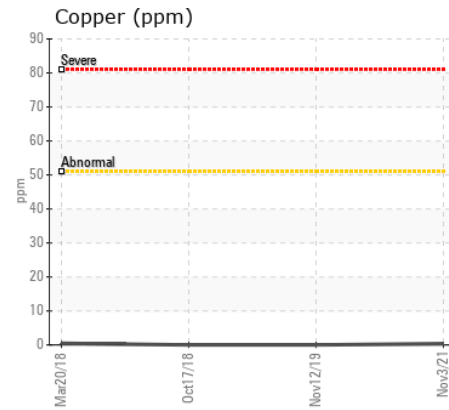
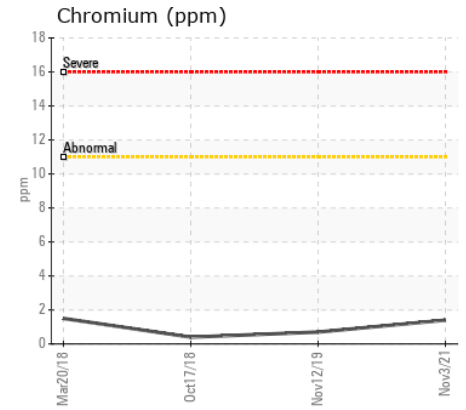
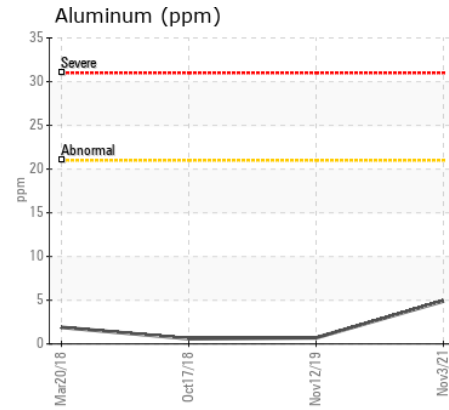
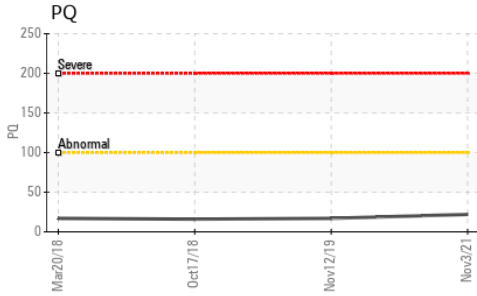
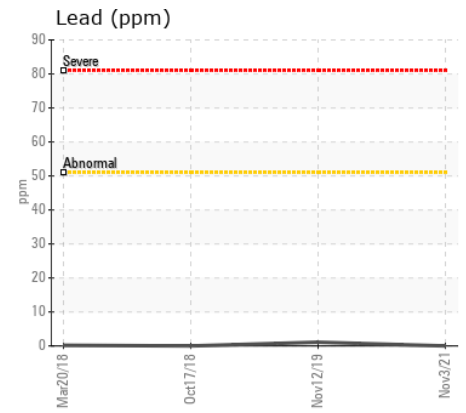
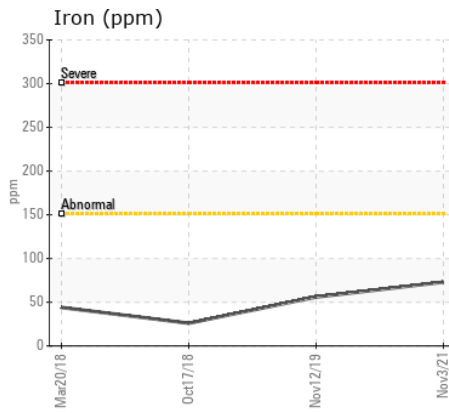
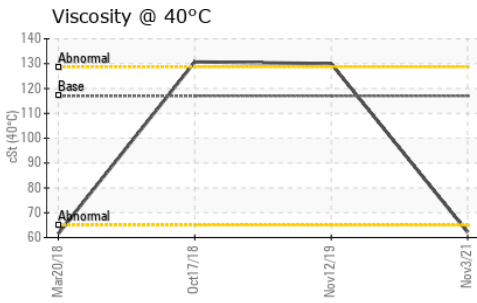
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >31 | 46 | 30 | 32 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 0 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|-------------|-------|-------|
| Sodium | ppm | ASTM D5185m | >51 | 0 | 1 | 1 |
| Boron | ppm | ASTM D5185m | | 218 | 175 | 193 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 186 | 4 | 8 |
| Manganese | ppm | ASTM D5185m | | 2 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 596 | 8 | 7 |
| Calcium | ppm | ASTM D5185m | | 1121 | 173 | 162 |
| Phosphorus | ppm | ASTM D5185m | | 906 | 920 | 914 |
| Zinc | ppm | ASTM D5185m | | 783 | 60 | 59 |
| Sulfur | ppm | ASTM D5185m | | 3136 | 10172 | 12791 |
| Visc @ 40°C | cSt | ASTM D445 | 117 | 62.2 | 130 | 130.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0104678

Lab Number : 05394981

Unique Number : 9734131

Test Package : MOBCE (Additional Tests: PQ)

Received : 08 Nov 2021

Tested : 10 Nov 2021

Diagnosed : 10 Nov 2021 - Jonathan Hester

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)

JRE - STEPHENSON

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