



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

Machine Id
JOHN DEERE 3038E LITTL293 (S/N 1LV3038EJHH104526)

Component
Hydrostatic
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. The filter 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 | | JR0214315 | --- | --- |
| Sample Date | | Client Info | | 18 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 564 | --- | --- |
| Oil Age | hrs | Client Info | | 564 | --- | --- |
| Filter Age | hrs | Client Info | | 564 | --- | --- |
| Oil Changed | | Client Info | | Not Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | | 22 | --- | --- |
| Iron | ppm | ASTM D5185m | >200 | 28 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >50 | 3 | --- | --- |
| Lead | ppm | ASTM D5185m | >50 | 2 | --- | --- |
| Copper | ppm | ASTM D5185m | >200 | 19 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

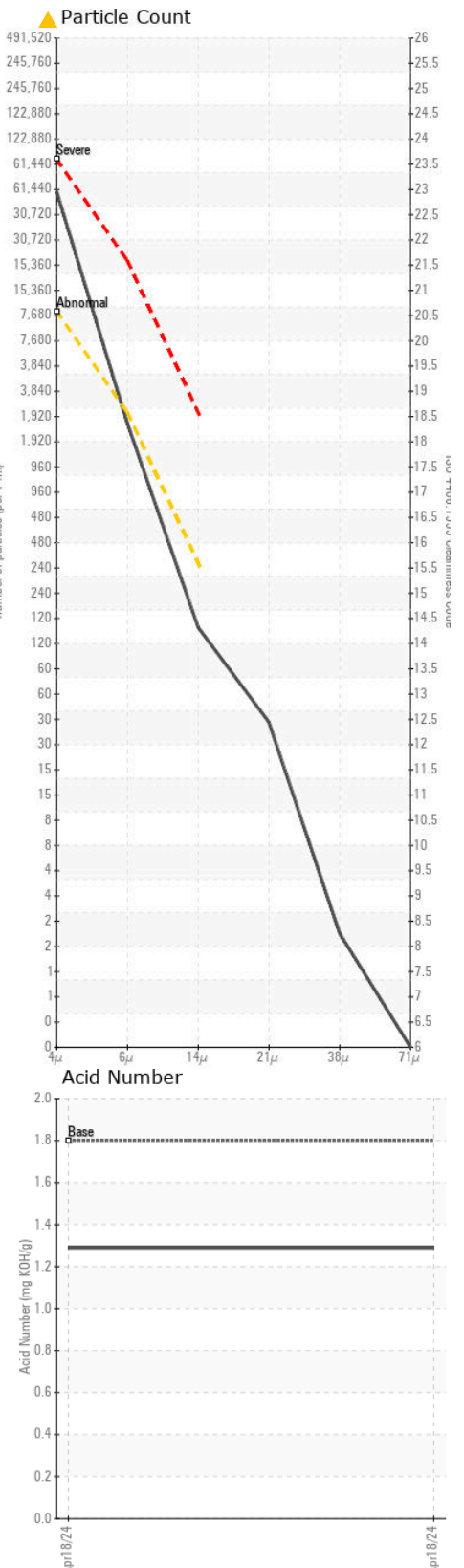
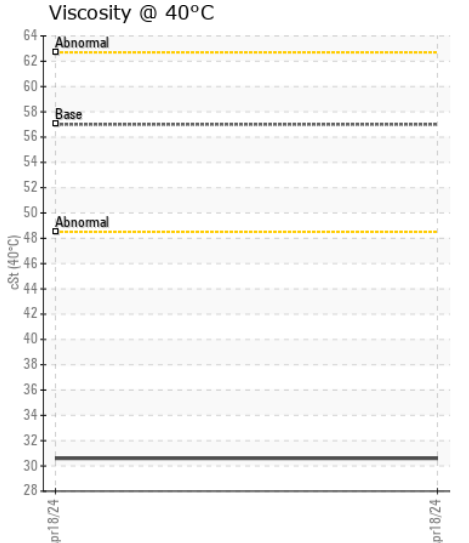
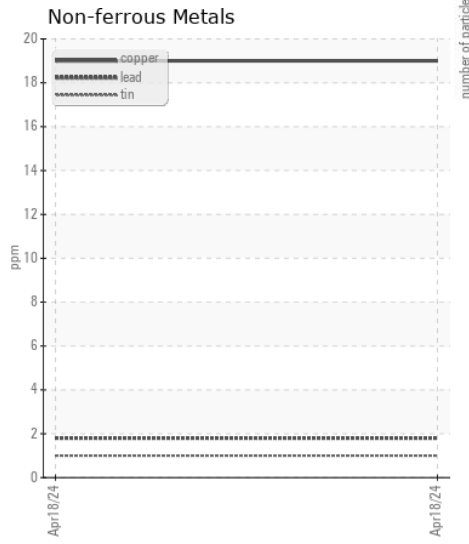
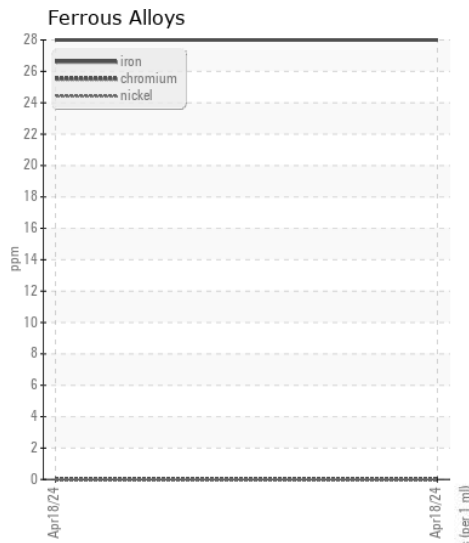
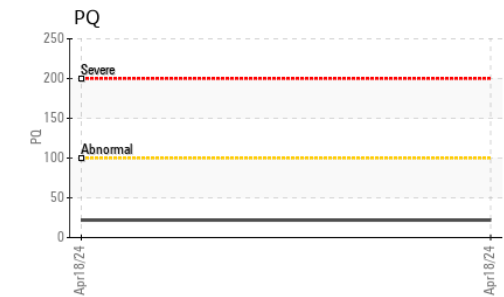
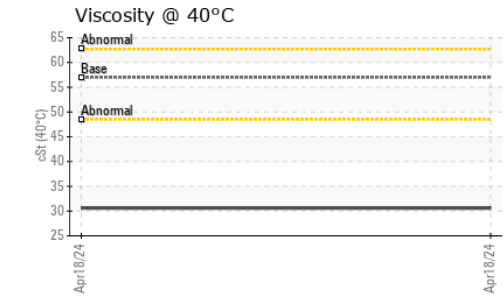
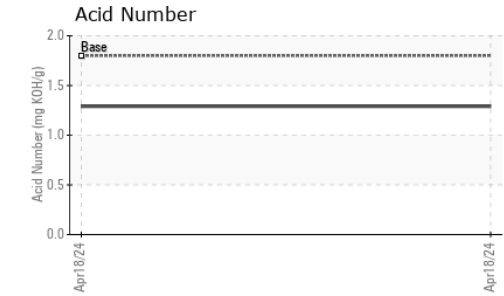
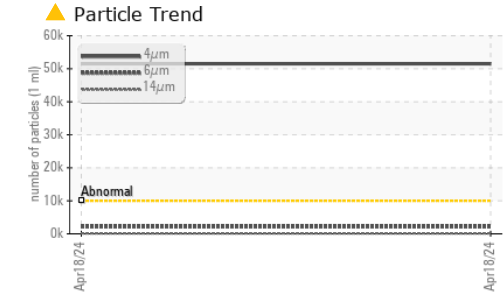
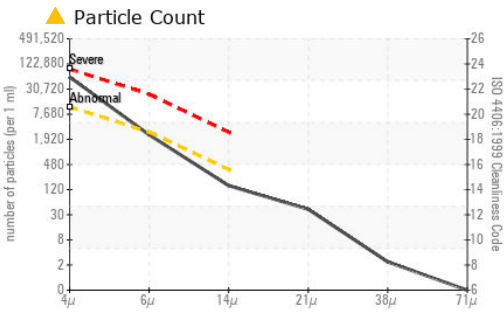
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >50 | 12 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 1 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >10000 | 51501 | --- | --- |
| Particles >6µm | | ASTM D7647 | >2500 | 2152 | --- | --- |
| Particles >14µm | | ASTM D7647 | >320 | 132 | --- | --- |
| Particles >21µm | | ASTM D7647 | >80 | 36 | --- | --- |
| Particles >38µm | | ASTM D7647 | >20 | 2 | --- | --- |
| Particles >71µm | | ASTM D7647 | >4 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | 23/18/14 | --- | --- |
| 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

Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 5 | --- | --- |
| Boron | ppm | ASTM D5185m | 6 | 5 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 3 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 2 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 114 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3547 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1083 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1232 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 4063 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.8 | 1.29 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 30.6 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214315 **Received** : 19 Apr 2024
Lab Number : 06154213 **Tested** : 23 Apr 2024
Unique Number : 10989636 **Diagnosed** : 23 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ, PrtCount)

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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