



OIL ANALYSIS REPORT

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



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 333G 1T0333GMCKF367402
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (9 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | LEC0011579 | --- | --- |
| Sample Date | | Client Info | | 27 Mar 2020 | --- | --- |
| Machine Age | hrs | Client Info | | 438 | --- | --- |
| Oil Age | hrs | Client Info | | 438 | --- | --- |
| Filter Age | hrs | Client Info | | 438 | --- | --- |
| Oil Changed | | Client Info | | Not Chngd | --- | --- |
| Filter Changed | | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | | ATTENTION | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | >50 | 19 | --- | --- |
| Iron | ppm | ASTM D5185m | >71 | <1 | --- | --- |
| Chromium | ppm | ASTM D5185m | >11 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >6 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >11 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >13 | 5 | --- | --- |
| Copper | ppm | ASTM D5185m | >21 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

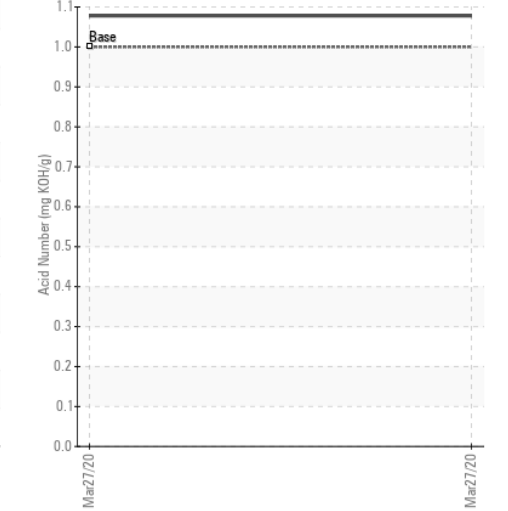
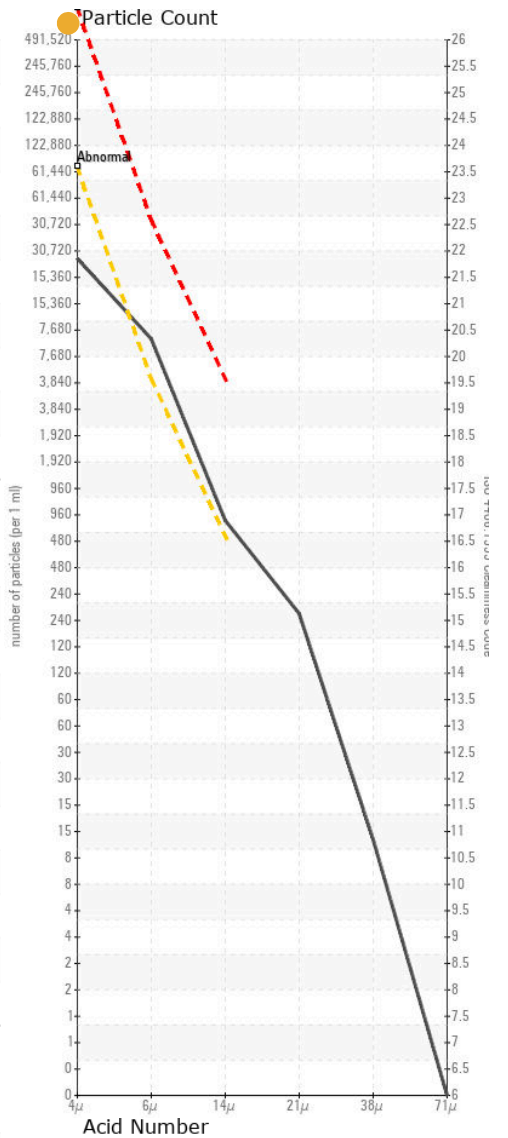
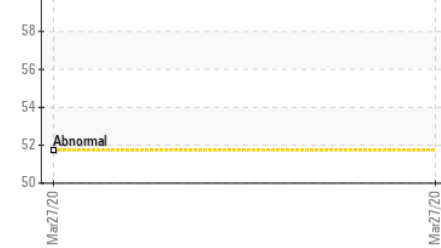
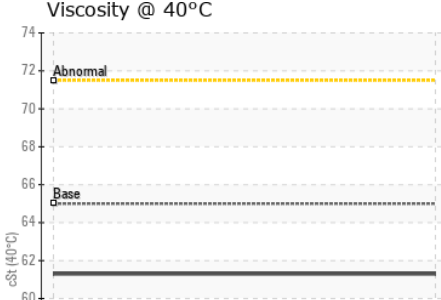
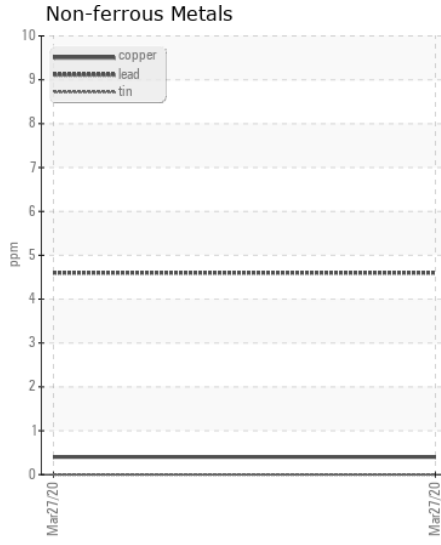
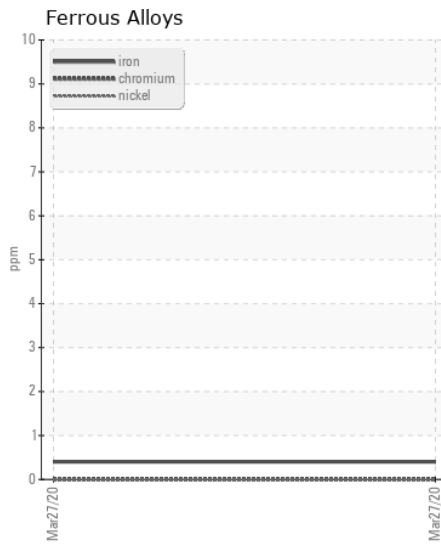
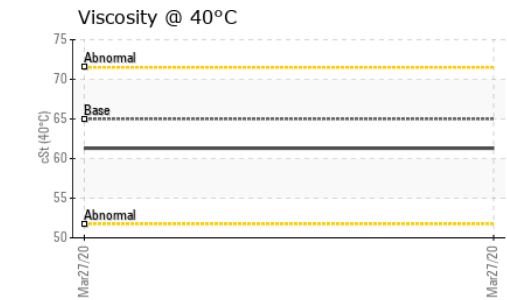
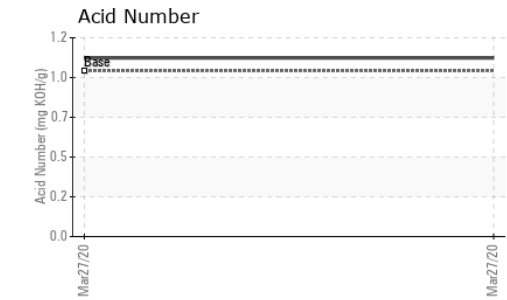
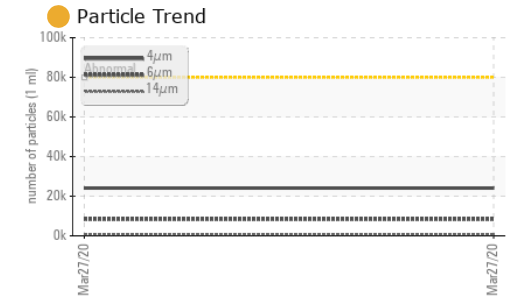
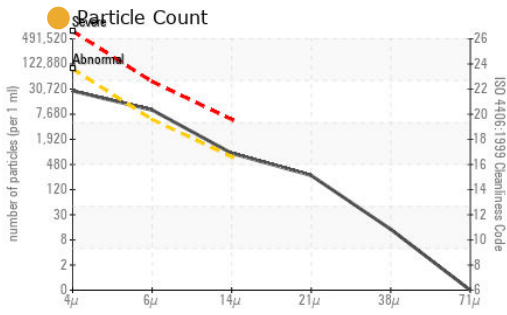
There is a moderate amount of particulates present in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >24 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Water | | WC Method | >0.075 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >80000 | 24111 | --- | --- |
| Particles >6µm | | ASTM D7647 | >5000 | 8419 | --- | --- |
| Particles >14µm | | ASTM D7647 | >640 | 782 | --- | --- |
| Particles >21µm | | ASTM D7647 | >160 | 231 | --- | --- |
| Particles >38µm | | ASTM D7647 | >40 | 12 | --- | --- |
| Particles >71µm | | ASTM D7647 | >10 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >23/19/16 | 22/20/17 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | LIGHT | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.075 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185m | >21 | <1 | --- | --- |
| Boron | ppm | ASTM D5185m | | <1 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | <1 | --- | --- |
| Calcium | ppm | ASTM D5185m | 87 | 84 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 727 | 587 | --- | --- |
| Zinc | ppm | ASTM D5185m | 900 | 838 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 1500 | 1328 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 1.078 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 61.3 | --- | --- |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0011579 **Received** : 30 Mar 2020
Lab Number : 04944675 **Tested** : 31 Mar 2020
Unique Number : 8974776 **Diagnosed** : 31 Mar 2020 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com
 T:
 F: (740)373-5570

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)