

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Area Store 1 - Cowen [122136] Machine Id JOHN DEERE 310SL 1T0310SLLKF355368 Component Hydraulic System Fluid JOHN DEERE HYDRAU (34 GAL)

RECOMMENDATION Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

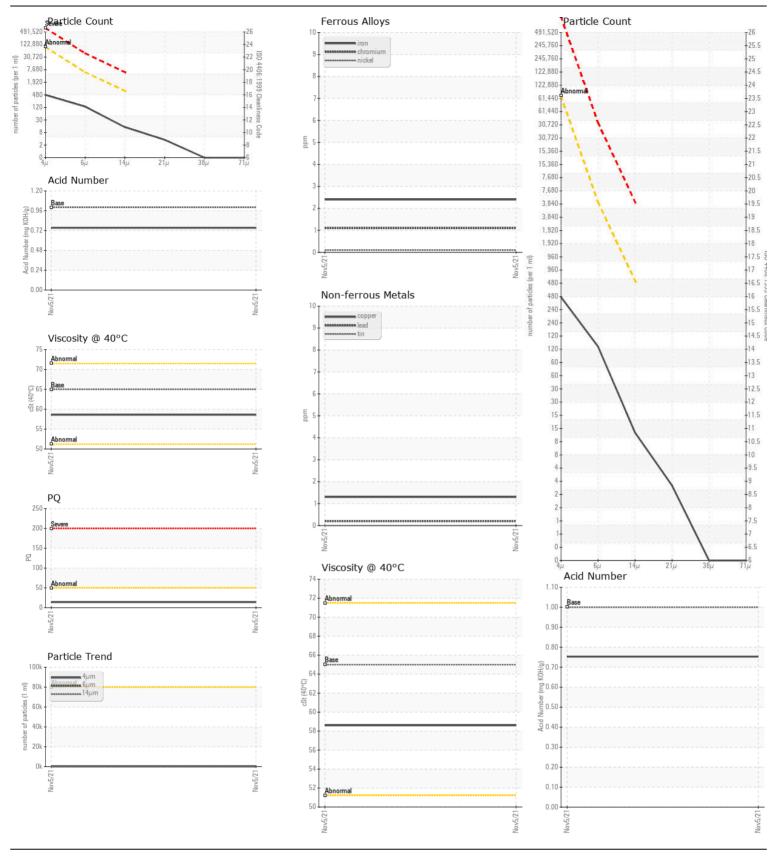
FLUID CONDITION

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

| / | | | | | | |
|-------------------|----------|--------------|-----------|-------------|----------|----------|
| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Sample Number | | Client Info | | LEC0023867 | | |
| Sample Date | | Client Info | | 05 Nov 2021 | | |
| Machine Age | hrs | Client Info | | 452 | | |
| Oil Age | hrs | Client Info | | 452 | | |
| Filter Age | hrs | Client Info | | 452 | | |
| Oil Changed | 1110 | Client Info | | Not Changd | | |
| Filter Changed | | Client Info | | Not Change | | |
| Sample Status | | Oliciti IIIO | | NORMAL | | |
| | | | | | | |
| PQ | | ASTM D8184 | >50 | 14 | | |
| Iron | ppm | ASTM D5185m | >71 | 2 | | |
| Chromium | ppm | ASTM D5185m | >11 | 1 | | |
| Nickel | ppm | ASTM D5185m | >6 | <1 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >11 | 1 | | |
| Lead | ppm | ASTM D5185m | >13 | <1 | | |
| Copper | ppm | ASTM D5185m | >21 | 1 | | |
| Tin | ppm | ASTM D5185m | >5 | 0 | | |
| Vanadium | ppm | ASTM D5185m | ~ 0 | 0 | | |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| | | viouai | | NONE | | |
| Silicon | ppm | ASTM D5185m | >24 | 3 | | |
| Potassium | ppm | ASTM D5185m | >20 | 14 | | |
| Water | | WC Method | >0.075 | NEG | | |
| Particles >4µm | | ASTM D7647 | >80000 | 415 | | |
| Particles >6µm | | ASTM D7647 | >5000 | 114 | | |
| Particles >14µm | | ASTM D7647 | >640 | 12 | | |
| Particles >21µm | | ASTM D7647 | >160 | 3 | | |
| Particles >38µm | | ASTM D7647 | >40 | 0 | | |
| Particles >71µm | | ASTM D7647 | >10 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >23/19/16 | 16/14/11 | | |
| 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 | >0.075 | NEG | | |
| | | | | | | |
| Sodium | ppm | ASTM D5185m | >21 | 2 | | |
| Boron | ppm | ASTM D5185m | | <1 | | |
| Barium | ppm | ASTM D5185m | | <1 | | |
| Molybdenum | ppm | ASTM D5185m | | <1 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | 2 | | |
| Calcium | ppm | ASTM D5185m | 87 | 91 | | |
| Phosphorus | ppm | ASTM D5185m | 727 | 621 | | |
| Zinc | ppm | ASTM D5185m | 900 | 897 | | |
| Sulfur | ppm | ASTM D5185m | 1500 | 2212 | | |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.753 | | |
| \". <u>0</u> 4000 | 0 | AOTH DAAF | 05 | 50.0 | | |

58.6

Visc @ 40°C cSt ASTM D445 65



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 105 TENNIS CENTER DR. Sample No. : LEC0023867 Received : 10 Nov 2021 뵻 Lab Number : 05397468 : 11 Nov 2021 Tested MARIETTA, OH Unique Number : 9736618 : 11 Nov 2021 - Jonathan Hester US 45750-9765 Diagnosed 超 Test Package : MOBCE (Additional Tests: PQ) Contact: LEANNE KENDALL Certificate L2367 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (740)373-5570