



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Store 9 - Marietta

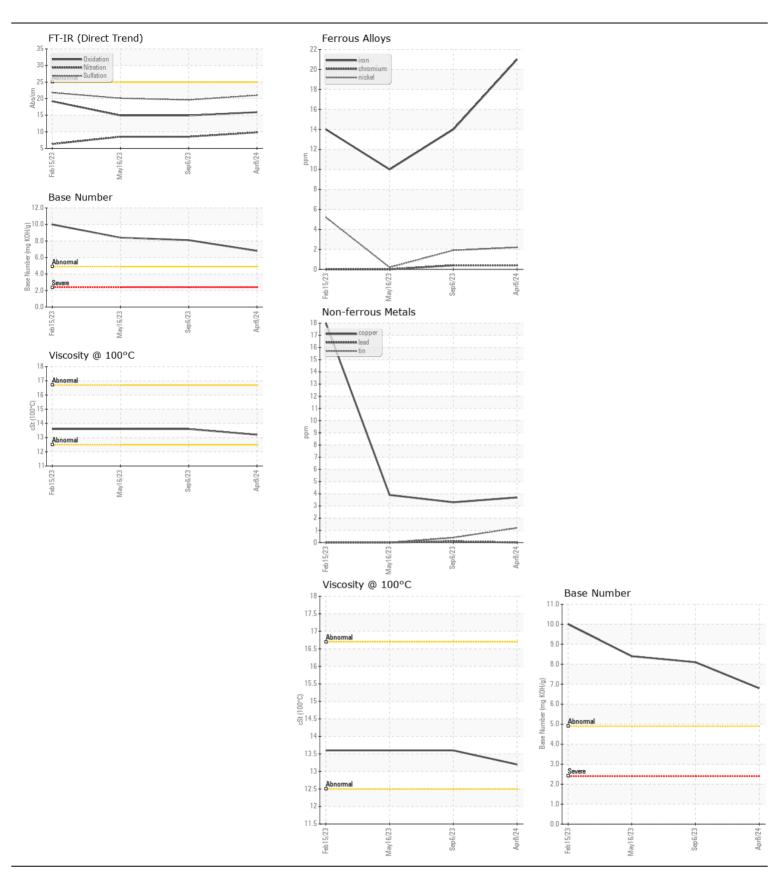
JOHN DEERE 210G 5085 (S/N 1FF210GXEMF529113)

Component

Diesel Engine

Fluid

| LYDEN 15W40 (GAL) | | | | | | | |
|---|------------------|----------|-------------|-------------|-------------|-------------|-------------|
| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| TESSIMETISATION | Sample Number | | Client Info | 21111071011 | LEC0049538 | LEC0041253 | LEC0034683 |
| Resample at the next service interval to monitor. | Sample Date | | Client Info | | 08 Apr 2024 | 06 Sep 2023 | 16 May 2023 |
| | Machine Age | hrs | Client Info | | 2188 | 1691 | 1415 |
| | Oil Age | hrs | Client Info | | 497 | 276 | 247 |
| | Filter Age | hrs | Client Info | | 497 | 276 | 247 |
| | Oil Changed | | Client Info | | Changed | Changed | Changed |
| | Filter Changed | | Client Info | | Changed | Changed | Changed |
| | Sample Status | | | | NORMAL | NORMAL | NORMAL |
| WEAR | Iron | ppm | ASTM D5185m | >51 | 21 | 14 | 10 |
| All component wear rates are normal. | Chromium | ppm | ASTM D5185m | >11 | <1 | <1 | 0 |
| | Nickel | ppm | ASTM D5185m | >5 | 2 | 2 | <1 |
| | Titanium | ppm | ASTM D5185m | | 63 | 76 | 48 |
| | Silver | ppm | ASTM D5185m | >3 | 0 | <1 | 0 |
| | Aluminum | ppm | ASTM D5185m | >31 | 2 | 0 | 5 |
| | Lead | ppm | ASTM D5185m | >26 | 0 | <1 | 0 |
| | Copper | ppm | ASTM D5185m | >26 | 4 | 3 | 4 |
| | Tin | ppm | ASTM D5185m | >4 | 1 | <1 | 0 |
| | Vanadium | ppm | ASTM D5185m | | <1 | 1 | 0 |
| | White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| CONTAMINATION | Silicon | ppm | ASTM D5185m | ~I20 | 6 | 6 | 4 |
| CONTAININATION | Potassium | ppm | ASTM D5185m | | 3 | 2 | 2 |
| There is no indication of any contamination in the oil. | Fuel | ррпп | WC Method | >2.1 | <1.0 | <1.0 | <1.0 |
| | Water | | WC Method | | NEG | NEG | NEG |
| | Glycol | | WC Method | , 0.2. | NEG | NEG | NEG |
| | Soot % | % | *ASTM D7844 | >3 | 0.6 | 0.4 | 0.5 |
| | Nitration | Abs/cm | *ASTM D7624 | >20 | 9.8 | 8.5 | 8.5 |
| | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.0 | 19.6 | 20.1 |
| | Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| | 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 | >0.21 | NEG | NEG | NEG |
| FLUID CONDITION | Sodium | ppm | ASTM D5185m | >31 | 4 | 3 | 2 |
| | Boron | ppm | ASTM D5185m | | 95 | 123 | 102 |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. | Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| | Molybdenum | ppm | ASTM D5185m | | 12 | 10 | 30 |
| | Manganese | ppm | ASTM D5185m | | <1 | <1 | 0 |
| | Magnesium | ppm | ASTM D5185m | | 357 | 479 | 498 |
| | Calcium | ppm | ASTM D5185m | | 1827 | 1785 | 1640 |
| | Phosphorus | ppm | ASTM D5185m | | 880 | 1012 | 955 |
| | Zinc | ppm | ASTM D5185m | | 1097 | 1244 | 1154 |
| | Sulfur | ppm | ASTM D5185m | | 3961 | 3873 | 4207 |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.9 | 14.9 | 14.9 |
| | Base Number (BN) | | | | 6.8 | 8.1 | 8.4 |
| | Visc @ 100°C | cSt | ASTM D445 | | 13.2 | 13.6 | 13.6 |







Certificate L2367

Report Id: LARBELOH [WUSCAR] 06150156 (Generated: 04/18/2024 13:25:34) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0049538

Lab Number : 06150156 Unique Number : 10980234

Diagnosed Test Package : CONST (Additional Tests: TBN)

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)

Received

Tested

: 16 Apr 2024

: 17 Apr 2024

: 18 Apr 2024 - Don Baldridge

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