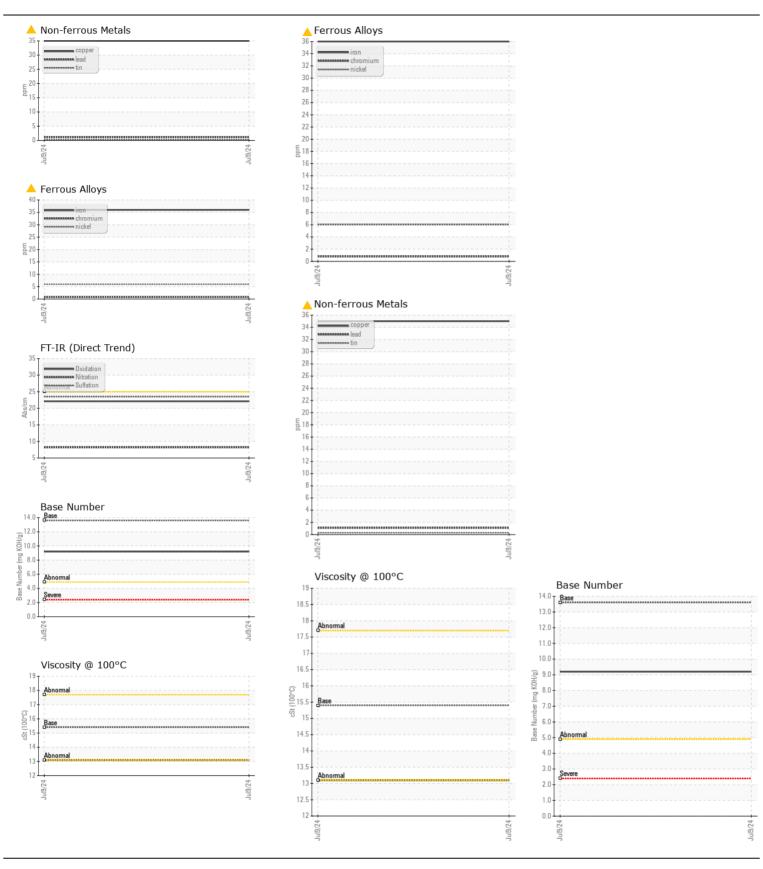
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

Machine Id

JOHN DEERE 350P 1FF350PAJPF000812

Diesel Engine

| ECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History |
|---|--------------------|------------------|----------------------------|----------------|--------------|----------|---------|
| Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. | Sample Number | | Client Info | | JR0225357 | | |
| | Sample Date | | Client Info | | 09 Jul 2024 | | |
| | Machine Age | hrs | Client Info | | 1191 | | |
| | Oil Age | hrs | Client Info | | 1191 | | |
| | Filter Age | hrs | Client Info | | 1191 | | |
| | Oil Changed | | Client Info | | Changed | | |
| | Filter Changed | | Client Info | | Changed | | |
| | Sample Status | | | | ABNORMAL | | |
| EAR | Iron | ppm | ASTM D5185m | >51 | 36 | | |
| NEATT | Chromium | ppm | ASTM D5185m | | <1 | | |
| The nickel level is abnormal. The copper level is abnormal. | Nickel | ppm | ASTM D5185m | | <u>^</u> 6 | | |
| | Titanium | ppm | ASTM D5185m | 75 | 0 | | |
| | Silver | | ASTM D5185m | ~3 | <1 | | |
| | Aluminum | ppm | ASTM D5185m | | 3 | | |
| | Lead | ppm | ASTM D5185m | >26 | 1 | | |
| | Copper | ppm | ASTM D5185m | | 35 | | |
| | Tin | ppm | ASTM D5185m | | <1 | | |
| | Vanadium | ppm | ASTM D5185m | 77 | 0 | | |
| | White Metal | scalar | *Visual | NONE | NONE | | |
| | Yellow Metal | scalar | *Visual | NONE | NONE | | |
| | | | | | | | |
| ONTAMINATION | Silicon | ppm | ASTM D5185m | | 8 | | |
| There is no indication of any contamination in the oil. | Potassium | ppm | ASTM D5185m | | 1 | | |
| | Fuel | | WC Method | | <1.0 | | |
| | Water | | WC Method | >0.21 | NEG | | |
| | Glycol | 0/ | WC Method | 0 | NEG | | |
| | Soot % | % Ala a /ava | *ASTM D7844 | | 0.4 | | |
| | Nitration | Abs/tmm | *ASTM D7624 *ASTM D7415 | >20 | 8.2 | | |
| | Sulfation Silt | Abs/.1mm | *Visual | | 23.5 NONE | | |
| | Debris | scalar | | NONE | NONE | | |
| | | scalar | *Visual | | | | |
| | Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| | Appearance Odor | scalar scalar | *Visual *Visual | NORML NORML | NORML | | |
| | Emulsified Water | | *Visual | >0.21 | NORML NEG | | |
| | | | Viouai | 70.L1 | | | |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service. | Sodium | ppm | ASTM D5185m | >31 | 4 | | |
| | Boron | ppm | ASTM D5185m | | 42 | | |
| | Barium | ppm | ASTM D5185m | | 0 | | |
| | Molybdenum | ppm | ASTM D5185m | | 80 | | |
| | Manganese | ppm | ASTM D5185m | | 1 | | |
| | Magnesium | ppm | ASTM D5185m | | 597 | | |
| | Calcium | ppm | ASTM D5185m | | 1897 | | |
| | Phosphorus | ppm | ASTM D5185m | | 946 | | |
| | Zinc | ppm | ASTM D5185m | | 1156 | | |
| | Sulfur | ppm | ASTM D5185m | | 3256 | | |
| | Oxidation | Abs/.1mm | *ASTM D7414 | | 22.1 | | |
| | Base Number (BN) | mg KOH/g | ASTM D2896 | 13.6 | 9.2 | | |







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0225357 Lab Number : 06233096

Unique Number : 11116589

Received **Tested** Diagnosed

: 11 Jul 2024 : 12 Jul 2024

: 12 Jul 2024 - Don Baldridge

9107 OWENS DRIVE MANASSAS PARK, VA US 20111 Contact: DON VEST

JRE - MANASSAS PARK

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.

dvest@jamesriverequipment.com T: (703)631-8500

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (703)631-4715