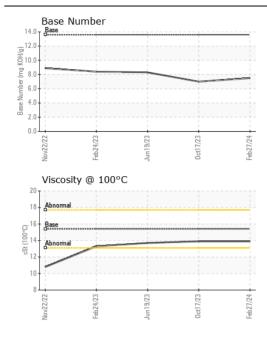
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

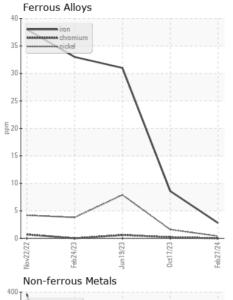
JOHN DEERE 350P 1FF350PAANF000150

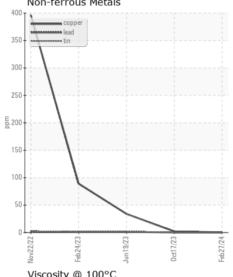
Component Diesel Engine

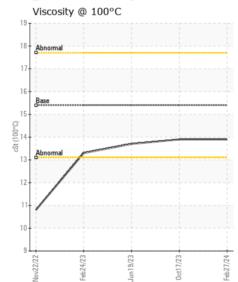
IOHN DEERE ENGINE OIL PLUS 50 IL 15W40 (29 QTS)

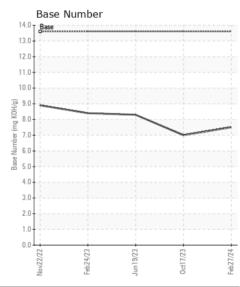
| Peter Vol. Method Minkfor Method Minkfor Method Minkfor Method Minkfor Method Minkfor Method Method Minkfor Method Method Minkfor Method Method | JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (| 29 QTS) | | | | | | |
|--|--|-------------------------|----------|-------------|-----------|---------|----------|----------|
| Resample at the next service interval to monitor. Sample Date Client Info 2 Face 244 770 2402 70 2 | RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | Historv1 | History2 |
| Sample Date Client Info 27 Feb.204 17 Ozt 2023 19 Jun 2025 14 SE Machine Age Ins Client Info 479 509 0 0 0 0 0 0 0 0 0 | RECOMMENDATION | | | | | | , | , |
| Machine Age Inst Client Info 2446 1967 1458 College Inst Client Info 479 509 0 1458 Client Info 479 479 670 Changed C | Resample at the next service interval to monitor. | | | | | | | |
| Ciling Insect Ciling C | | | hrs | | | | | |
| Filter Age hrs Client Info Changed C | | • | | | | | | |
| Oil Changed | | | | | | | | |
| Filter Changed Changed | | | | | | | | |
| Normal N | | | | | | | | |
| Iron | | _ | | | | _ | Ü | _ |
| Chromium ppm ASTM D5186m >20 0 <1 <1 <1 <1 <1 <1 <1 | | | | | | | | |
| All component wear rates are normal. Nicke | WEAR | Iron | ppm | ASTM D5185m | >100 | 3 | 9 | 31 |
| Nitrote Pilm Nath Coloral Co | All component wear rates are normal. | Chromium | ppm | ASTM D5185m | >20 | 0 | <1 | <1 |
| Silver ppm ASTM D5185m >20 0 0 0 0 0 0 0 0 0 | | Nickel | ppm | ASTM D5185m | >4 | <1 | 2 | 8 |
| Aluminum ppm ASTM 05185m >20 1 2 3 | | Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Lead | | Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Copper | | Aluminum | ppm | ASTM D5185m | >20 | 1 | 2 | 3 |
| Tin | | Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 1 |
| Vanadium ppm ASTM D5185m NONE NONE | | Copper | | ASTM D5185m | >330 | <1 | 2 | 34 |
| White Metal Scalar "Visual NONE NO | | Tin | ppm | ASTM D5185m | >15 | 0 | 0 | <1 |
| Vellow Metal Scalar Visual NONE NO | | Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silicon ppm ASTM D5185m 2-2 4 5 10 | | White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon ppm ASTM D5185m >2.5 4 5 10 | | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Potassium ppm ASTM D5185m > 20 <1 2 2 2 | | | | | | | | |
| FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION The BN result indicates that there is a suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. FLUID CONDITION Sodium ppm ASTM D5185m | CONTAMINATION | Silicon | ppm | | | | | |
| Water W.C. Method So.2 NEG | There is no indication of any contamination in the oil. | | ppm | ASTM D5185m | >20 | <1 | 2 | |
| Glycol | | Fuel | | | | <1.0 | <1.0 | |
| Soot % | | Water | | | >0.2 | NEG | NEG | NEG |
| Nitration | | Glycol | | WC Method | | NEG | NEG | NEG |
| Sulfation Abs/.tmm "ASTM D7415 >30 16.2 15.8 23.5 | | Soot % | % | *ASTM D7844 | >3 | 0.1 | 0.1 | 0.4 |
| Silt Scalar *Visual NONE NO | | Nitration | Abs/cm | *ASTM D7624 | >20 | 5.3 | 5.5 | 9.5 |
| Debris Scalar *Visual NONE NORML | | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 16.2 | 15.8 | 23.5 |
| Sand/Dirt scalar *Visual NONE NONE NONE NONE NORML NOR | | Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | | Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Codor Scalar *Visual NORML NORML NORML NORML NORML NEG NEG NEG | | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Emulsified Water scalar *Visual >0.2 NEG NEG NEG | | Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Sodium ppm ASTM D5185m 36 23 166 | | Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron ppm ASTM D5185m 0 | | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron ppm ASTM D5185m 0 | ELUID CONDITION | Codium | | ACTM DE10E | | | | 4 |
| 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 33 37 253 | FLOID CONDITION | | | | | | | 160 |
| oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 33 37 253 | The BN result indicates that there is suitable alkalinity remaining in the | | | | | | | |
| Manganese ppm ASTM D5185m <1 | , , | | | | | | | |
| Magnesium ppm ASTM D5185m 148 136 773 Calcium ppm ASTM D5185m 1996 2096 1404 Phosphorus ppm ASTM D5185m 872 856 812 Zinc ppm ASTM D5185m 1018 1051 1027 Sulfur ppm ASTM D5185m 3431 4219 2927 Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Calcium ppm ASTM D5185m 1996 2096 1404 Phosphorus ppm ASTM D5185m 872 856 812 Zinc ppm ASTM D5185m 1018 1051 1027 Sulfur ppm ASTM D5185m 3431 4219 2927 Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Phosphorus ppm ASTM D5185m 872 856 812 Zinc ppm ASTM D5185m 1018 1051 1027 Sulfur ppm ASTM D5185m 3431 4219 2927 Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Zinc ppm ASTM D5185m 1018 1051 1027 Sulfur ppm ASTM D5185m 3431 4219 2927 Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Sulfur ppm ASTM D5185m 3431 4219 2927 Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Oxidation Abs/.1mm *ASTM D7414 >25 9.8 9.6 18.2 Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | | | | |
| Base Number (BN) mg KOH/g ASTM D2896 13.6 7.5 7.0 8.3 | | | | | 05 | | | |
| | | | | | | | | |
| VISC @ 100°C CSt ASIM D445 15.4 13.9 13.7 | | | | | | | | |
| | | visc @ 100°C | cSt | ASTM D445 | 15.4 | 13.9 | 13.9 | 13./ |













Report Id: JAMMAN [WUSCAR] 06103608 (Generated: 03/01/2024 17:16:51) Rev: 1

Laboratory Sample No.

Lab Number : 06103608 Unique Number: 10901838

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0208214

Received **Tested**

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

Diagnosed Test Package : CONST (Additional Tests: TBN)

: 29 Feb 2024

: 28 Feb 2024

: 01 Mar 2024 - Don Baldridge

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

JRE - MANASSAS PARK

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

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.

F: (703)631-4715