WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL NORMAL ATTENTION

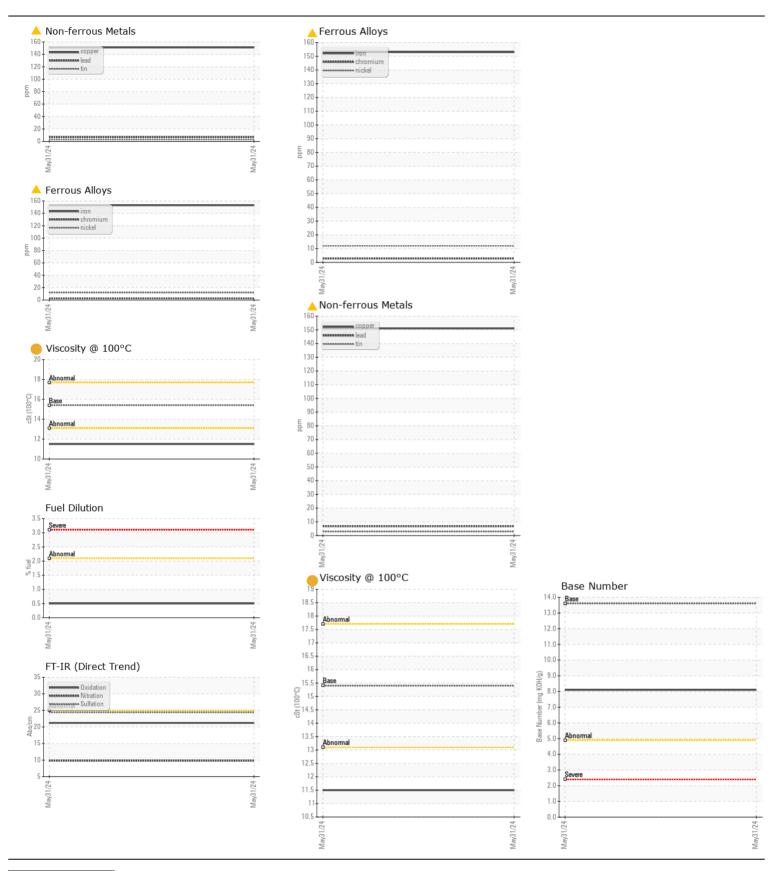
Machine Id

JOHN DEERE 160P 1FF160PAVPF000400

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (10 QTS)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|---|---|--|--|---|---|
| Sample Number | | Client Info | | JR0213789 | | |
| Sample Date | | Client Info | | 31 May 2024 | | |
| Machine Age | hrs | Client Info | | 487 | | |
| Oil Age | hrs | Client Info | | 487 | | |
| Filter Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Changed | | |
| Filter Changed | | Client Info | | Changed | | |
| Sample Status | | | | ABNORMAL | | |
| Iron | nnm | ACTM DE195m | <u>. 51</u> | A 150 | | |
| | | | | | | |
| | | | | | | |
| | | | >5 | | | |
| | | | 0 | | | |
| | • • | | | | | |
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| | | | | | | |
| • • | | | | | | |
| | | | >4 | | | |
| | ppm | | | | | |
| | scalar | | | _ | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Silicon | ppm | ASTM D5185m | >22 | 12 | | |
| Potassium | ppm | ASTM D5185m | >20 | 6 | | |
| Fuel | % | ASTM D3524 | >2.1 | 0.5 | | |
| Water | | WC Method | >0.21 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| Soot % | % | *ASTM D7844 | >3 | 0.3 | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 9.8 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 24.4 | | |
| Silt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| | | | | | | |
| | | | | NORML | | |
| | | | | | | |
| | | *Visual | >0.21 | NEG | | |
| C | | ACTM DE10E | 04 | | | |
| | | | >51 | | | |
| | | | | | | |
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| | • • | | | | | |
| | | | | | | |
| | | | | | | |
| | ppm | | | | | |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 21.2 | | |
| Base Number (BN) | | | | 8.1 | | |
| | Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur | Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Fuel % Water Glycol Soot % Nitration Abs/Imm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Manganese ppm Manganese ppm Manganese ppm Manganese ppm Calcium ppm Phosphorus Zinc ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm | Sample Number Sample Date Machine Age Oil Age hrs Client Info Client Info Client Info Client Info Client Info Client Info Filter Age Oil Changed Filter Changed Sample Status Iron Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Tin Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Fuel % ASTM D5185m Fuel % ASTM D7624 *ASTM D7624 Sulfation Abs/.1mm ASTM D5185m Fuel Appearance Scalar *Visual | Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Changed Filter Changed Sample Status Iron Ppm ASTM D5185m Silver Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vhite Metal Scalar Visual NONE Vellow Metal Scalar Visual NONE Silicon Ppm ASTM D5185m Vone Vone Vone Vone Vone Vone Vone Vone | Sample Number Client Info JR0213789 Sample Date Client Info 31 May 2024 Machine Age hrs Client Info 487 Oil Age hrs Client Info 487 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL Iron ppm ASTM D5185m >51 153 ABNORMAL ABNORMAL ABNORMAL ABNORMAL Iron ppm ASTM D5185m >51 153 Altuminum ppm ASTM D5185m >11 3 Nickel ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >31 13 Lead ppm ASTM D5185m >31 13 Lead ppm ASTM D5185m >26 7 Copper ppm ASTM D5185m >4 3 | Sample Number Sample Date Client Info 31 May 2024 |





Laboratory Sample No. Unique Number: 11059594

Lab Number : 06197471

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0213789

Received **Tested** Diagnosed

: 03 Jun 2024 : 05 Jun 2024 : 05 Jun 2024 - Sean Felton

JRE - GREENVILLE 3604 HIGHWAY 264 E GREENVILLE, NC US 27834-5800

Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: GREENVILLE SHOP christopher.martin@jamesriverequipment.com T:

* - 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)

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