

Machine Id JOHN DEERE 4024R PE4024R143162 Component Diesel Engine Fluid JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--|---|---|--|--|--|---|
| Sample Number | | Client Info | | JR0199430 | | |
| Sample Date | | Client Info | | 23 Jan 2024 | | |
| | hrs | Client Info | | 600 | | |
| Ū | | | | | | |
| 0 | | | | | | |
| - | 1110 | | | | | |
| 0 | | | | | | |
| • | | | | | | |
| | | | | | | |
| Iron | ppm | ASTM D5185m | >51 | <1 | | |
| Chromium | ppm | ASTM D5185m | >11 | <1 | | |
| Nickel | | ASTM D5185m | >5 | 0 | | |
| Titanium | | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | >3 | 0 | | |
| Aluminum | | ASTM D5185m | >31 | <1 | | |
| Lead | | ASTM D5185m | >26 | 0 | | |
| Copper | | ASTM D5185m | >26 | 0 | | |
| Tin | ppm | ASTM D5185m | >4 | <1 | | |
| Vanadium | | ASTM D5185m | | 0 | | |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | | *Visual | NONE | NONE | | |
| | | | | | | |
| Silicon | ppm | ASTM D5185m | >22 | 6 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| Fuel | % | ASTM D3524 | >2.1 | 🛑 16.2 | | |
| Water | | WC Method | >0.21 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| Soot % | % | *ASTM D7844 | >3 | 0 | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 4.9 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.2 | | |
| Silt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar | *Visual | NONE | LIGHT | | |
| | | 1.00.00 | | | | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| | | | | | | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Sand/Dirt Appearance | scalar scalar scalar | *Visual *Visual | NONE NORML | NONE NORML | | |
| Sand/Dirt Appearance Odor Emulsified Water | scalar scalar scalar | *Visual *Visual *Visual *Visual | NONE NORML NORML >0.21 | NONE NORML NORML NEG | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium | scalar scalar scalar scalar ppm | *Visual *Visual *Visual *Visual ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NORML NEG | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | scalar scalar scalar scalar ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NORML NEG 1 57 | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium | scalar scalar scalar scalar ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NEG 1 57 0 | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum | scalar scalar scalar scalar ppm ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NEG 1 57 0 39 | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese | scalar scalar scalar scalar ppm ppm ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NEG 1 57 0 39 0 | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium | scalar scalar scalar scalar ppm ppm ppm ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NEG 1 57 0 39 0 436 | | |
| Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese | scalar scalar scalar scalar ppm ppm ppm ppm | *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.21 | NONE NORML NEG 1 57 0 39 0 | | |
| | 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 Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation | Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changedsample StatusIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmTinppmVanadiumppmWhite MetalscalarYellow MetalscalarSiliconppmFuel%WaterGlycolSoot %%NitrationAbs/cmSulfationAbs/.1mmSiltscalar | Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mAluminumppmASTM D5185mLeadppmASTM D5185mTinppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM 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D5185m>200Fuel%ASTM D5185m>20 <t< th=""></t<> |

Zinc

Sulfur

Oxidation

Visc @ 100°C cSt

964

2495

15.2

9.2

8.6

ASTM D5185m

ASTM D445 15.4

Abs/.1mm *ASTM D7414 >25

ppm ASTM D5185m

ppm

Base Number (BN) mg KOH/g ASTM D2896 13.6



JRE - MANASSAS PARK Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0199430 Received :07 Feb 2024 9107 OWENS DRIVE Lab Number : 06082951 Tested :09 Feb 2024 MANASSAS PARK, VA Unique Number : 10870396 Diagnosed : 09 Feb 2024 - Wes Davis US 20111 Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: DON VEST Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dvest@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (703)631-8500 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)631-4715