

JOHN DEERE 245G 1FF245GXCNF802665

Component **1 Diesel Engine** Fluid

{not provided} (--- GAL)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--|--|--|--|--|---|
| Sample Number | | Client Info | | JR0204094 | | |
| Sample Date | | Client Info | | 13 Feb 2024 | | |
| Machine Age | hrs | Client Info | | 641 | | |
| Oil Age | hrs | Client Info | | 671 | | |
| Filter Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Changed | | |
| Filter Changed | | Client Info | | Changed | | |
| Sample Status | | | | NORMAL | | |
| | | | | | | |
| Iron | ppm | | | 3 | | |
| Chromium | ppm | ASTM D5185m | >11 | 0 | | |
| Nickel | ppm | ASTM D5185m | >5 | 0 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | >3 | 0 | | |
| Aluminum | ppm | ASTM D5185m | >31 | 2 | | |
| Lead | ppm | ASTM D5185m | >26 | 0 | | |
| Copper | ppm | ASTM D5185m | >26 | <1 | | |
| Tin | ppm | ASTM D5185m | >4 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| | | | | | | |
| | ppm | | | | | |
| | ppm | | | 2 | | |
| | | | | <1.0 | | |
| | | | >0.21 | | | |
| | | | | NEG | | |
| Soot % | % | | >3 | | | |
| Nitration | Abs/cm | | >20 | 5.5 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.6 | | |
| Silt | scalar | *Visual | NONE | | | |
| Debris | scalar | | NONE | | | |
| Sand/Dirt | scalar | *Visual | NONE | | | |
| Appearance | scalar | *Visual | NORML | | | |
| | scalar | *Visual | NORML | NORML | | |
| Emulsified Water | scalar | *Visual | >0.21 | NEG | | |
| Cadium | | | 0.1 | 0 | | |
| | | | >31 | | | |
| | | | | | | |
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| - | | | | | | |
| - | | | | | | |
| - | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Sultur | ppm | ASTM D5185m | | 3446 | | |
| Oxidation | | *ASTM D7414 | | 14.1 | | |
| | 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 Yellow Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor | Sample NumberSample DateMachine AgeMachine AgeMachine AgeMachine AgehrsOil AgeFilter AgeOil ChangedFilter ChangedSample StatusIronppmChromiumppmChromiumppmSilverppmAluminumppmLeadppmCopperppmVanadiumppmVaterGlycolSoot %%NitrationAbs/cmSulfationAbs/cmSulfationAbs/cmSulfationAbs/cmSiltscalarSodiumppmManganeseppmMagnesiumppmAgnesiumppmAndiganeseppmMagnesiumppmCalciumppmZincppm | Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilverIronppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mFuelWC MethodSiliconppmASTM D5185mFuelWC MethodGlycolWC MethodSot %%*ASTM D5185mFuelWC MethodSiltscalar*VisualSiltscalar*VisualSiltscalar*VisualSot %%*ASTM D7844NitrationAbs/:Imm*ASTM D7844NitrationAbs/:Imm*ASTM D5185mGodorscalar*VisualSodiumppmASTM D5185mBoronppmASTM D5185mMalphearancescalar*VisualManganeseppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D | Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilter ChangedIronppmASTM D5185m>51ChromiumppmASTM D5185m>51ChromiumppmASTM D5185m>31LeadppmASTM D5185m>26CopperppmASTM D5185m>26CopperppmASTM D5185m>26TinppmASTM D5185m>26TinppmASTM D5185m>26CopperppmASTM D5185m>26TinppmASTM D5185m>26TinppmASTM D5185m>26TinppmASTM D5185m>22PotassiumppmASTM D5185m>20FuelWC MethodSoti%%Yastm D7624>20SulfationAbs/tnmAbs/tnm'ASTM D7145SodiumppmASTM D5185m>31Debrisscalar'VisualNOREAppearancescalar'VisualNOREAppearancescalar'VisualNOREBariumppmAST | Sample NumberClient InfoJR0204094Sample DateClient Info13 Feb 2024Machine AgehrsClient Info641Oil AgehrsClient Info671Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>51Sample Status>50TitaniumppmASTM D5185m>5NickelppmASTM D5185m>31SilverppmASTM D5185m>30AluminumppmASTM D5185m>260CopperppmASTM D5185m>260CopperppmASTM D5185m>260VanadiumppmASTM D5185m>228PotassiumppmASTM D5185m>228PotassiumppmASTM D5185m>222FuelWC Method>0.21NCNESiliconppmASTM D5185m>202SulfationAbs/tmm*ASTM D7624>202.5SulfationAbs/tmm*ASTM D7185>3019.6Siltscalar*VisualNONENONEAppearancescalar*VisualNONENONEAppearancescalar*VisualNONENONEAppearancescalar*VisualNORENOREAppearance | Sample Number Client Info JR0204094 Sample Date Client Info 13 Feb 2024 Machine Age hrs Client Info 641 Oil Age hrs Client Info 641 Oil Changed Client Info Changed Changed Oil Changed Client Info Changed Changed Sample Status Vortice NORMAL Iron ppm ASTM D5185m >51 3 Nickel ppm ASTM D5185m >1 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >26 0 Vanadium ppm ASTM D5185m >20 2 Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual |

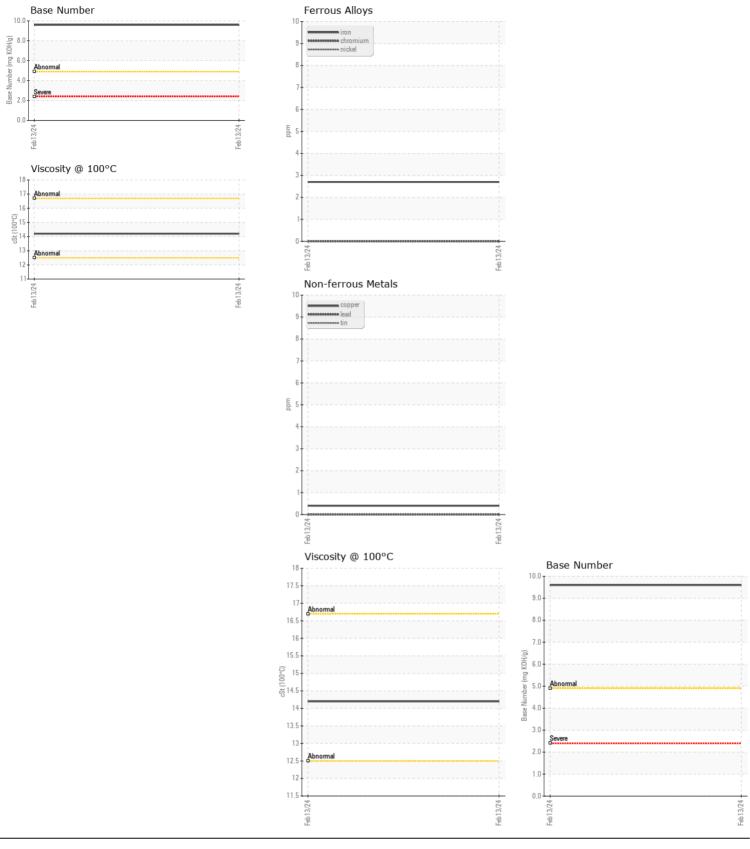
Base Number (BN) mg KOH/g ASTM D2896

ASTM D445

Visc @ 100°C cSt

9.6

14.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - CHARLOTTE** Sample No. : JR0204094 Received : 14 Feb 2024 9550 STATESVILLE ROAD Lab Number : 06088650 Tested : 15 Feb 2024 CHARLOTTE, NC Diagnosed Unique Number : 10876095 : 15 Feb 2024 - Wes Davis US 28269 Test Package : CONST (Additional Tests: TBN) Contact: CHARLOTTE SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. myoung@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (704)597-0211 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)596-6198

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