

Machine Id

JOHN DEERE 892D-LC FF892DL006513

Right Final Drive

JOHN DEERE GL-5 80W90 (--- GAL)

| Sample at the next service interval to monitor. Sample Date Client Into MB21444 M0163023 | RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | Liston/2 |
|--|--|------------------|--------|-------------|-------------|---------|----------|----------|
| Presenting is at the hisk's service interval to montion. Sample Date Client Info 29 king 200 0.9 Mar 2020 ··· Machine Age hrs Client Info 2846 0 0 ··· Filter Age hrs Client Info 2846 0 ··· ··· Filter Age hrs Client Info 2846 0 ··· ··· Filter Age hrs Client Info Vert Mark Vert Mark ··· ··· Bitter Changed Client Info None None None ··· ··· All component wear rates are normal. PQ ASTM 0565 >9 1 4 ··· Noke pm ASTM 0565 >9 1 4 ··· Silver pm ASTM 05656 >10 0 0 ··· Silver pm ASTM 05656 >10 4 ··· ··· Qopper pm ASTM 05656 >10 0 ··· ··· | | | UOIVI | | LIIIII/AQII | | - | |
| Machine Age hrs Client Info Image Seate | Resample at the next service interval to monitor. | • | | | | | | |
| Oil Age hrs Client Info 2846 0 Filter Age hrs Client Info 0 0 0 Oil Change Client Info No Nothange Change Oil Change Client Info No Northange Northange Sample Status Northange Northange WEAR PQ STM D816 >750 898 350 Northange PQ STM D816 >750 398 350 Nickel pm STM D816 >750 398 350 Nickel pm STM D816 >50 Nickel pm STM D816 >50 Nickel pm STM D816 >10 Nickel pm STM D816 >10 Nickel pm STM D816 >15 0 0 Nicke ppm STM D816 >15 0 No StM D816 >15 0 - | | | hre | | | | | |
| Filter Age hrs Client Info 0 0 | | - | | | | | | |
| Oil ChangedClient InfoNot ChangedChangedClient InfoNot RhangChangedChangedNot RhangChangedNot RhangNot Rhang | | - | | | | | | |
| Filter Changed Client Info None NA | | - | 1113 | | | | | |
| Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL WEAR Iron ppm ASTM D6164 >120 18 136 All component wear rates are normal. Iron ppm ASTM D6165 >750 398 355 Nickel ppm ASTM D5165 >9 1 4 Nickel ppm ASTM D5165 >9 1 4 Nickel ppm ASTM D5165 >9 1 4 Nickel ppm ASTM D5165 >0 1 1 All uminum ppm ASTM D5165 >40 4 8 Audinum ppm ASTM D5165 >10 1 1 Vanadium ppm ASTM D5155 40 4 1 Vanadium ppm ASTM D5155 1 1 1 Vanadium pp | | - | | | | , v | Ŭ | |
| WEAR PQ STM D818 >1250 18 136 All component wear rates are normal. Iron ppm ASTM D5185m >9 1 4 Nickel ppm ASTM D5185m >9 1 4 Nickel ppm ASTM D5185m >9 1 4 Nickel ppm ASTM D5185m >10 -1 -1 Nickel ppm ASTM D5185m >10 4 8 Aluminum ppm ASTM D5185m -40 4 8 Aluminum ppm ASTM D5185m -40 4 10 Aluminum ppm ASTM D5185m -40 4 10 Vanadum ppm ASTM D5185m -40 4 10 Vanadum ppm ASTM D5185m -40 4 Vanadum ppm <t< th=""><th></th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | - | | | | | | |
| All component wear rates are normal. Iron pm ASTM D5185m >750 398 355 Chromium ppm ASTM D5185m >9 1 4.4 Nickel ppm ASTM D5185m >9 1 4.0 Titanium ppm ASTM D5185m >10 <1 Silveo ppm ASTM D5185m >40 4 8 Aluminum ppm ASTM D5185m >40 4 1 Auminum ppm ASTM D5185m >40 4 1 Copper ppm ASTM D5185m >40 4 1 Vanadium scalar "Visual NONE MODE Vanadium scalar "Visual NONE MODE Vanadium scalar "Visual NONE MODE Micron ppm ASTM D5185m >75 31 50 Silicon ppm ASTM D5185m >20 | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| All component weat rates are normal. Chromium pp ASTM D51850 >9 1 4.4 Nickel ppm ASTM D51850 >10 <1 <10 <1 < Nickel ppm ASTM D51850 >10 <1 <1 < Silver ppm ASTM D51850 V 0 0 < Alumoin ppm ASTM D51850 V 0 0 < Alumoin ppm ASTM D51850 V 0 0 < Alumoin ppm ASTM D51850 >10 0 0 < Lead ppm ASTM D51850 >10 4 0 Vanadium ppm ASTM D51850 >10 4 Vanadium scalar Visual NONE NONE Vanadium scalar Visual NONE NONE NONE Vanadium scalar Visual NONE NONE NONE Sili | WEAR | PQ | | ASTM D8184 | >1250 | 18 | 136 | |
| Nickel pm ASTM D518sm >10 <1 | All component wear rates are normal. | Iron | ppm | ASTM D5185m | >750 | 398 | 355 | |
| TitaniumppmASTM D518m-< | | Chromium | ppm | ASTM D5185m | >9 | 1 | 4 | |
| Silver pm ASTM D5185 v 0 0 Aluminum ppm ASTM D5185 >40 4 8 Lead ppm ASTM D5185 >10 0 0 Copper ppm ASTM D5185 >40 4 1 Copper ppm ASTM D5185 >40 4 1 Copper ppm ASTM D5185 >40 4 1 Vanadium ppm ASTM D5185 >40 4 1 Vanadium ppm ASTM D5185 >40 4 0 Vanadium ppm ASTM D5185 >10 <1 0 Vallow Media scalar Visual NONE NONE NONE Mater pp ASTM D5185 >75 31 50 Debris scalar Visual NONE NONE <td< th=""><th></th><th>Nickel</th><th>ppm</th><th>ASTM D5185m</th><th>>10</th><th><1</th><th><1</th><th></th></td<> | | Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | |
| Aluminum ppm ASTM D5185 >40 4 8 Lead ppm ASTM D5185 >15 0 0 Copper ppm ASTM D5185 >40 4 1 Copper ppm ASTM D5185 >40 4 1 Tin ppm ASTM D5185 >10 0 0 Vanadium ppm ASTM D5185 >10 0 White Metal scalar Visual NONE MODER White Metal scalar Visual NONE NONE NONE NONE OCONTAMINATION Ppm ASTM D5185 >75 31 50 There is no indication of any contamination in the fluid. Pdatssium pm ASTM D5185 >20 <1 20 State Visual NONE NONE NONE NONE NONE< | | Titanium | ppm | ASTM D5185m | | <1 | <1 | |
| Lead ppm ASTM D5185m >15 0 0 Copper ppm ASTM D5185m >40 4 1 Tin ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m >75 31 MONE NONE Vallow Metal scalar Visual NONE NONE NONE CONTAUINATION Silicon ppm ASTM D5185m >50 31 50 Sadd/Dirt scalar <th></th> <th></th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th></th> | | | ppm | ASTM D5185m | | 0 | 0 | |
| CopperppASTM D5185n>4041TinppASTM D5185n>100VanadiumpmASTM D5185n>100White Metalscalar*VisualNONENONEMODERYellow Metalscalar*VisualNONENONEMODERYellow Metalscalar*VisualNONEASTM D5185n>7531500NonePotassiumpmASTM D5185n>202WaterVisualNONENONENONENONENONESiliconscalar*VisualNONENONENONEWaterVisualNONENONENONENONESolituscalar*VisualNONENONENONEAppearancescalar*VisualNONENONENONEMotified Waterscalar*VisualNORENOREQodorscalar*VisualNORENORENORERemultified Waterscalar*VisualNORENORENORERemultified Waterscalar*VisualNORENORENORERemultified Waterscalar*VisualNORENORENORERemultified Waterscal | | Aluminum | ppm | ASTM D5185m | >40 | 4 | 8 | |
| Tin ppm ASTM D5185m >10 <1 | | Lead | ppm | ASTM D5185m | >15 | 0 | 0 | |
| VanadiumppmASTM D5185m0<1 | | Copper | ppm | ASTM D5185m | >40 | 4 | 1 | |
| White Metal Yellow Metalscalar*VisualNONENONEMODERYellow Metalscalar*VisualNONENONENONECONTAMINATIONSiliconppmASTM D5185m>753150There is no indication of any contamination in the fluid.PotassiumppmASTM D5185m>20<122WaterWC Method>0.075NEGNONENONESilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLModerscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLModerscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLFLUID CONDITIONScalurppmASTM D5185m>5112The condition of the fluid is acceptable for the time in service.ppmASTM D5185m>5112BariumppmASTM D5185mppmASTM D5185m000 <th></th> <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th><1</th> <th>0</th> <th></th> | | Tin | ppm | ASTM D5185m | >10 | <1 | 0 | |
| Yellow Metalscalar'VisualNONENONECONTAMINATIONSiliconppmASTM D51850>753150There is no indication of any contamination in the fluid.PotassiumppmASTM D51850>20<12WaterWC Method>.0.075NEGNEGSilitscalar'VisualNONENONENONE | | Vanadium | ppm | ASTM D5185m | | 0 | <1 | |
| CONTAMINATION Silicon ppm ASTM D5185m >75 31 500 Potassium ppm ASTM D5185m >20 <1 2 Water WC Method >0.075 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual NORML NORML NORML FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 Barium ppm ASTM D5185m >51 1 2 Barium ppm ASTM D5185m >51 1 2 O 0 <t< th=""><th></th><th>White Metal</th><th>scalar</th><th>*Visual</th><th>NONE</th><th>NONE</th><th>MODER</th><th></th></t<> | | White Metal | scalar | *Visual | NONE | NONE | MODER | |
| Potassium ppm ASTM D5185m >20 <1 | | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | |
| Water WC Method >0.075 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORM NORML Odor scalar *Visual NORM NORML NORML Emulsified Water scalar *Visual NORM NORML NORML FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 Boron ppm ASTM D5185m >1 26 3 Barium ppm ASTM D5185m 0 0 | CONTAMINATION | Silicon | ppm | ASTM D5185m | >75 | 31 | 50 | |
| Water WC Method >0.075 NEG NEG Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORM NORM NORML NORML Odor scalar *Visual NORM NORML NORML NORML Emulsified Water scalar *Visual NORML NORML NORML FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 Boron ppm ASTM D5185m >51 1 2 Barium ppm ASTM D5185m Sodi 3 3 Barium ppm ASTM D5185m Sodi 3 Barium ppm ASTM D5185m Sodi 3 | There is no indication of any contamination in the fluid | Potassium | ppm | ASTM D5185m | >20 | <1 | 2 | |
| Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185m>5112BoronppmASTM D5185mpm2633BariumppmASTM D5185mT00 | | Water | | WC Method | >0.075 | NEG | NEG | |
| Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORM NORML NORML NORML Emulsified Water scalar *Visual NORM NORML NORML FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 Boron ppm ASTM D5185m < 0 0 Barium ppm ASTM D5185m 0 0 | | Silt | scalar | *Visual | NONE | NONE | NONE | |
| Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGNEGFLUID CONDITIONSodiumppmASTM D5185m>5112BoronppmASTM D5185mImage: StalarImage: StalarImage: StalarImage: StalarImage: StalarBariumppmASTM D5185mImage: StalarImage: Stalar | | Debris | scalar | *Visual | NONE | NONE | NONE | |
| Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.075 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 Boron ppm ASTM D5185m C 0 0 Barium ppm ASTM D5185m C 0 0 | | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| Emulsified Water scalar *Visual >0.075 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 The condition of the fluid is acceptable for the time in service. Boron ppm ASTM D5185m 6 3 Barium ppm ASTM D5185m 0 0 | | Appearance | scalar | *Visual | NORML | NORML | NORML | |
| FLUID CONDITION Sodium ppm ASTM D5185m >51 1 2 The condition of the fluid is acceptable for the time in service. Boron ppm ASTM D5185m 26 3 Barium ppm ASTM D5185m 0 0 | | Odor | scalar | *Visual | NORML | NORML | NORML | |
| Boron ppm ASTM D5185m 26 3 Barium ppm ASTM D5185m 0 0 | | Emulsified Water | scalar | *Visual | >0.075 | NEG | NEG | |
| Boron ppm ASTM D5185m 26 3 Barium ppm ASTM D5185m 0 0 | FLUID CONDITION | Sodium | ppm | ASTM D5185m | >51 | 1 | 2 | |
| Barium ppm ASTM D5185m 0 0 | | Boron | ppm | ASTM D5185m | | 26 | 3 | |
| | | Barium | ppm | ASTM D5185m | | 0 | 0 | |
| Noiybaenum ppm Asim Dsixem 3 <1 | | Molybdenum | ppm | ASTM D5185m | | 3 | <1 | |
| Manganese ppm ASTM D5185m 2 3 | | Manganese | ppm | ASTM D5185m | | 2 | 3 | |
| Magnesium ppm ASTM D5185m 5 7 | | Magnesium | ppm | ASTM D5185m | | 5 | 7 | |
| Calcium ppm ASTM D5185m 196 98 | | Calcium | ppm | ASTM D5185m | | 196 | 98 | |
| Phosphorus ppm ASTM D5185m 591 277 | | Phosphorus | ppm | ASTM D5185m | | 591 | 277 | |
| Zinc ppm ASTM D5185m 172 61 | | Zinc | ppm | ASTM D5185m | | 172 | 61 | |

Sulfur

Visc @ 40°C

ppm ASTM D5185m

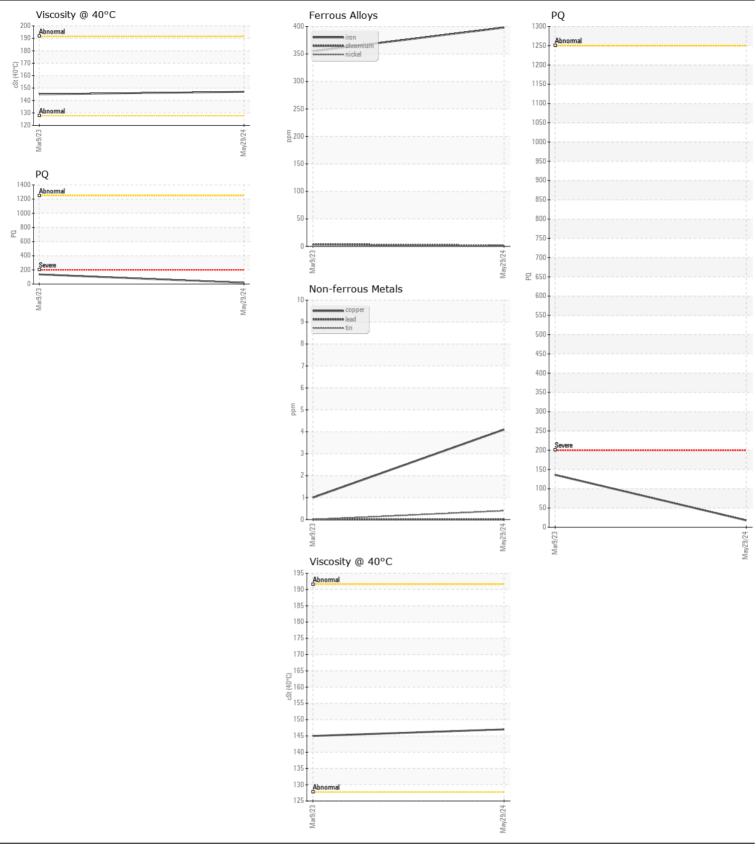
ASTM D445

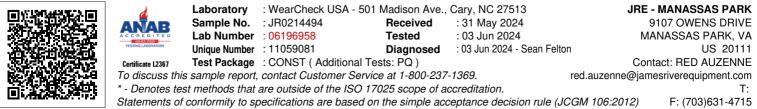
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