

History1

02 Jun 2020

Not Changd

NORMAL

17

<1

<1

4

0

7

<1

8

<1

0

6

6

<1.0

NEG

NEG

0.2

9.8

23.2

NONE

NONE

NONE

NORML

NORML

NFG

4

0

140

216

<1

831

1316

854

984

2418

17.9

8.3

14.5

1223

2800

21.3

7.0

14.7

NONE

NONE

1601

500

500

History2

29 May 2019

Changed

NORMAL

28

<1

<1

10

0

5

0

39 0

0

6

15

<1.0

NEG

NFG

0.4

9.1 22.5

NONE

NONE

NONE

NORML

NORML

NEG

5

88

0

199

1048

1544

954

1167

2691

17.2

8.3

14.8

<1

NONE

NONE

844

344

344

JR0013769 JR0008818

Not Changed Changed



[W8497] Machine Id JOHN DEERE 210G C9013621 (S/N 1FF210GXCEE522436) Component Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (22 QTS)

RECOMMENDATION Test UOM Method Limit/Abn Current Client Info JR0197151 Sample Number Oil and filter change at the time of sampling has been noted. Resample Sample Date **Client Info** 08 Feb 2024 at the next service interval to monitor. (Customer Sample Comment: Machine Age hrs **Client Info** 1701 W8497) Oil Age hrs Client Info 944 944 hrs **Client Info** Filter Age Oil Changed **Client Info** Changed Filter Changed Changed Client Info Sample Status NORMAL WEAR Iron ppm ASTM D5185m >51 65 Chromium ASTM D5185m >11 ppm 1 All component wear rates are normal for time on oil. Nickel ASTM D5185m >5 5 ppm Titanium ppm ASTM D5185m 6 Silver ASTM D5185m >3 0 ppm Aluminum ppm ASTM D5185m >31 11 Lead ASTM D5185m >26 <1 ppm Copper 8 ppm ASTM D5185m >26 Tin ppm ASTM D5185m >4 <1 Vanadium mag ASTM D5185m <1 NONE NONE White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE CONTAMINATION Silicon ASTM D5185m >22 11 ppm ASTM D5185m >20 Potassium ppm 17 There is no indication of any contamination in the oil. Fuel WC Method >2.1 <1.0 Water WC Method >0.21 NEG Glycol WC Method NFG Soot % % *ASTM D7844 >3 1.1 Nitration Abs/cm *ASTM D7624 >20 10.5 Sulfation Abs/.1mm *ASTM D7415 >30 28.5 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE *Visual NONE NONE Sand/Dirt scalar Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML Emulsified Water scalar >0.21 NEG *Visual FLUID CONDITION Sodium ASTM D5185m 2 ppm >31 31 Boron ASTM D5185m ppm The BN result indicates that there is suitable alkalinity remaining in the 0 Barium ppm ASTM D5185m oil. The condition of the oil is suitable for further service. Molybdenum 263 ppm ASTM D5185m Manganese ASTM D5185m ppm 1ء 968 Magnesium ppm ASTM D5185m Calcium ASTM D5185m 1438 ppm Phosphorus 898 ppm ASTM D5185m

Zinc

Sulfur

Oxidation

Base Number (BN)

Visc @ 100°C

ppm

ppm

cSt

Abs/.1mm

ASTM D5185m

ASTM D5185m

*ASTM D7414

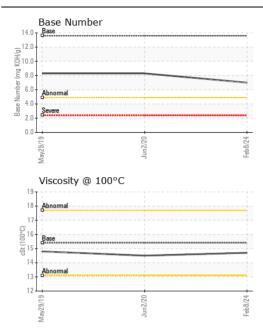
ASTM D445

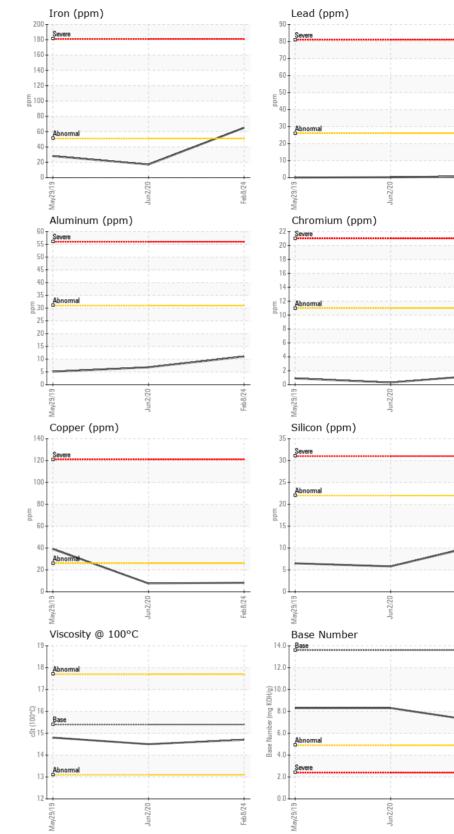
mg KOH/g ASTM D2896

>25

13.6

15.4





JRE - HOPE MILLS/FAYETTEVILLE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0197151 Received 5039 HWY 301 SOUTH Sample No. : 13 Feb 2024 Lab Number : 06087096 : 14 Feb 2024 HOPE MILLS, NC Tested Unique Number : 10874541 : 14 Feb 2024 - Don Baldridge US 28348 Diagnosed Test Package : MOBCE (Additional Tests: TBN) Contact: FAYETTEVILLE SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Page 2 of 2

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