

#### IOSW46990] Machine Id JOHN DEERE 000748 Component Pump Drive Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

# RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

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# CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

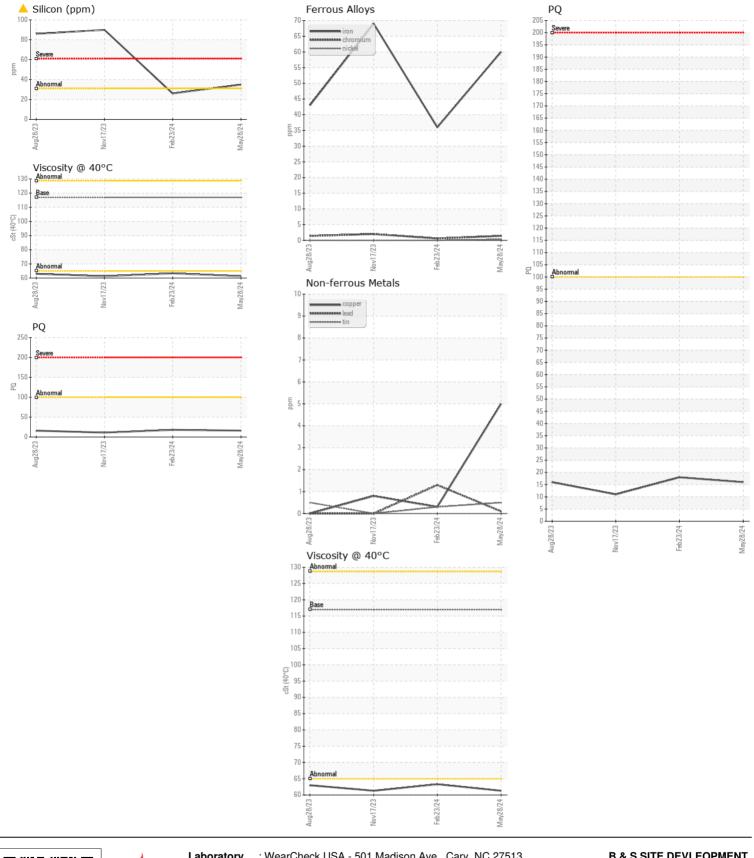
# FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test UOM Method Limit/Abn Current History1	
Test UOM Method Limit/Abn Current History1	History2
Sample Number Client Info JR0218008 JR0203127	JR0192433
Sample Date Client Info 28 May 2024 23 Feb 2024	17 Nov 2023
Machine Age hrs Client Info 1983 1490	967
Oil Age hrs Client Info 1000 523	967
Filter Age hrs Client Info 0 0	0
Oil Changed Client Info Changed Not Changd	Changed
Filter Changed Client Info N/A N/A	N/A
Sample Status ABNORMAL NORMAL	ABNORMAL
PQ ASTM D8184 16 18	11
Iron ppm ASTM D5185m >151 60 36	69
Chromium         ppm         ASTM D5185m         >11         1         <1	2
Nickel         ppm         ASTM D5185m         >10         <1	0
Titanium         ppm         ASTM D5185m         <1	<1
Silver         ppm         ASTM D5185m         0         0	0
Aluminum         ppm         ASTM D5185m         >21         5         5	4
Lead         ppm         ASTM D5185m         >51         <1	0
Copper         ppm         ASTM D5185m         >51         5         <1	<1
Tin         ppm         ASTM D5185m         >4         <1	0
Vanadium         ppm         ASTM D5185m         O         <1	0
	0
	NONE
White Metal         scalar         *Visual         NONE         NONE	NONE
	NONE NONE
White Metal         scalar         *Visual         NONE         NONE	
White Metal     scalar     *Visual     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE	NONE
White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>313526	NONE
White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>31 <b>A 35</b> 26PotassiumppmASTM D5185m>20 <b>3</b> 2	NONE 90 4
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White Metal Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>31▲ 3526PotassiumppmASTM D5185m>2032WaterWC Method>0.1NEGNONESilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m>5113BoronppmASTM D5185m>5113BoronppmASTM D5185m200MolybdenumppmASTM D5185m201ManganeseppmASTM D5185m211	NONE           90           4           NEG           NONE           NONE           NORML           NEG           O           66           <1           112           4
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White Metal Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>31▲ 3526PotassiumppmASTM D5185m>2032WaterWC Method>0.1NEGNONESilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONEILGHTSand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*VisualNOR13SodiumppmASTM D5185m>5113BoronppmASTM D5185m>5113BariumppmASTM D5185m201ManganeseppmASTM D5185m211MagnesiumppmASTM D5185m118121849PhosphorusppmASTM D5185m110001ZincppmASTM D5185m111371154	NONE         90         4         NEG         NONE         NONE         NORML         NORML         NORML         NORML         10         0         66         <112         4         13         4231
White Metal Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>31▲ 3526PotassiumppmASTM D5185m>2032WaterWC Method>0.1NEGNEGSilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONELIGHTSand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*VisualNORNEGSodiumppmASTM D5185m>5113BoronppmASTM D5185m>5113BoronppmASTM D5185m200MolybdenumppmASTM D5185m211MagnesiumppmASTM D5185m211PhosphorusppmASTM D5185m118121849PhosphorusppmASTM D5185m110001	NONE         90         4         NEG         NONE         NONE         NORML         NORML         NEG         0         66         <112         4         13         4231         1153

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**B & S SITE DEVLEOPMENT** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0218008 Received 7800 PINEY BRANCH LANE : 29 May 2024 Lab Number : 06194714 BRISTOW, VA Tested : 31 May 2024 Unique Number : 11056837 : 31 May 2024 - Don Baldridge US 20136 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: DANNY HUFF Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dhuff@bandssite.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (540)270-3203 F: (703)753-0605 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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