

Machine Id JOHN DEERE 350P 1FF350PACPF000755 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.

CONTAMINATION

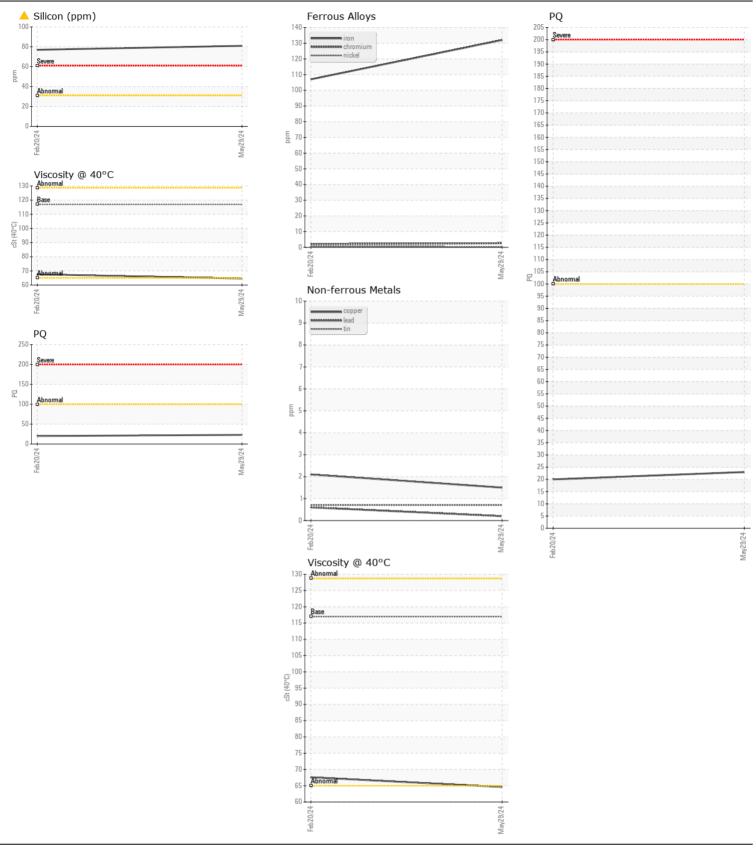
Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217894	JR0203306	
Sample Date		Client Info		29 May 2024	20 Feb 2024	
Machine Age	hrs	Client Info		997	486	
Oil Age	hrs	Client Info		997	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		None	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
PQ		ASTM D8184		23	20	
Iron	nom	ASTM D0104 ASTM D5185m	>151	23 132	107	
Chromium	ppm		>151	3	2	
Nickel	ppm	ASTM D5185m		-		
	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m		1	1	
Silver	ppm	ASTM D5185m	. 01	<1	<1	
Aluminum	ppm	ASTM D5185m	>21	2	<1	
Lead	ppm	ASTM D5185m	>51	<1	<1	
Copper	ppm	ASTM D5185m	>51	2	2	
Tin	ppm	ASTM D5185m	>4	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
					NIGNE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE >31	NONE 81	NONE	
Silicon	ppm	ASTM D5185m	>31	A 81	A 77	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>31 >20	▲ 81 4	▲ 77 3	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>31 >20 >0.1	▲ 81 4 NEG	 77 3 NEG 	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>31 >20 >0.1 NONE	 81 4 NEG NONE 	 77 3 NEG NONE 	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>31 >20 >0.1 NONE NONE	 81 4 NEG NONE NONE 	 77 3 NEG NONE NONE 	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>31 >20 >0.1 NONE NONE NONE	 81 4 NEG NONE NONE NONE 	 77 3 NEG NONE NONE NONE 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>31 >20 >0.1 NONE NONE NONE NORML	 81 4 NEG NONE NONE NONE NORML 	 77 3 NEG NONE NONE NONE NORML 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORE NORML NEG 	 77 3 NEG NONE NONE NORE NORML NEG 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML	 81 4 NEG NONE NONE NORML NORML NEG <1 	 77 3 NEG NONE NONE NORML NORML NEG 0 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 	 77 3 NEG NONE NONE NORML NORML NORML NEG 0 57 10 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 116 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 10 107 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 116 6 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 10 107 6 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 116 6 12 	 77 3 NEG NONE NONE NORML NORML NORML NORML 107 6 10 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NORML 1 70 7 116 6 12 4247 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 10 107 6 10 3796 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 116 6 12 4247 1404 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 10 107 6 10 3796 1086 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NORML 70 7 116 6 12 4247 1404 1412 	 77 3 NEG NONE NONE NORML NORML NORML 107 6 10 3796 1237 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>31 >20 >0.1 NONE NONE NORML NORML >0.1	 81 4 NEG NONE NONE NORML NORML NEG <1 70 7 116 6 12 4247 1404 	 77 3 NEG NONE NONE NORML NORML NEG 0 57 10 107 6 10 3796 1086 	

Submitted By: TECHNICIAN ACCOUNT



B & S SITE DEVLEOPMENT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0217894 Received : 31 May 2024 7800 PINEY BRANCH LANE Lab Number : 06196925 Tested BRISTOW, VA : 03 Jun 2024 Unique Number : 11059048 : 03 Jun 2024 - Sean Felton 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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