

[16W16494] JOHN DEERE 853M 1T0853MXELL389635 - DOOR Component Pump

JOHN DEERE HYDRAU XR (1 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 16W16494)

WEAR

All component wear rates are normal.

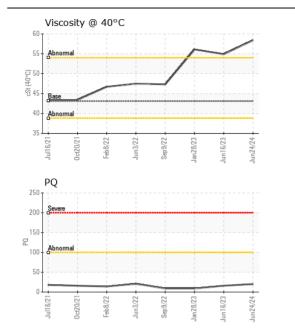
CONTAMINATION

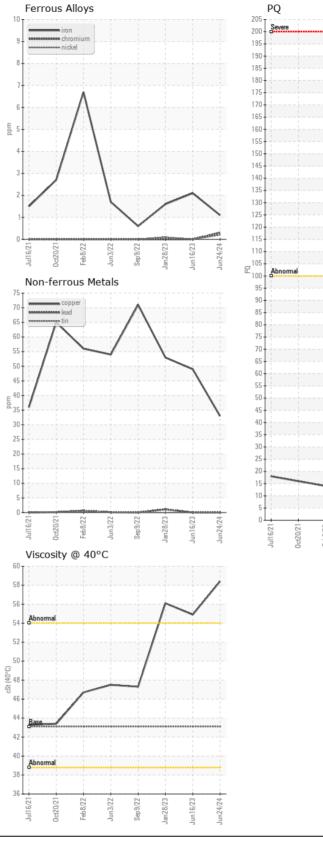
Moderate concentration of visible dirt/debris present in the oil.

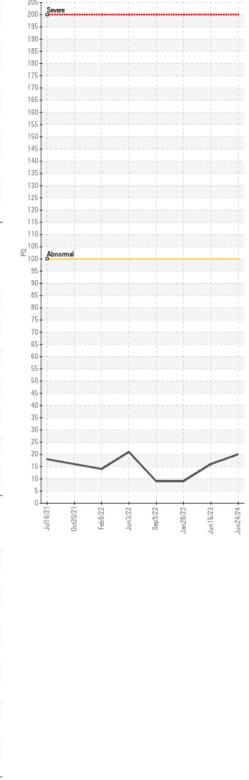
CONDITION	

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

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٦	Test	UOM	Method	Limit/Abn	Current	History1	History2
5	Sample Number		Client Info		JR0217346	JR0173315	JR0154083
S	Sample Date		Client Info		24 Jun 2024	16 Jun 2023	28 Jan 2023
ľ	Machine Age	hrs	Client Info		5812	4282	3737
(	Dil Age	hrs	Client Info		1530	2198	1689
F	-ilter Age	hrs	Client Info		0	0	0
(	Oil Changed		Client Info		Changed	Changed	Not Changd
F	-ilter Changed		Client Info		N/A	N/A	N/A
S	Sample Status				ABNORMAL	NORMAL	NORMAL
 ٦	 PQ		ASTM D8184		20	16	9
	ron	nnm	ASTM D5185m	>500	1	2	2
	Chromium	ppm	ASTM D5185m	>500	י <1	0	0
	Nickel	ppm	ASTM D5185m	>1	<1 <1	0	<1
	Titanium	ppm	ASTM D5185m		<1 <1	0	< 1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	3	2	<1
	_ead	ppm	ASTM D5185m ASTM D5185m	>25	0	2	<1
	-	ppm			-		
	Copper	ppm	ASTM D5185m	>50	33	49	53
	Tin (an adjura	ppm	ASTM D5185m	>5	0	0	0
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Silicon	ppm	ASTM D5185m	>50	2	3	3
	Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	2 5	3 9	3 8
F							
F	Potassium		ASTM D5185m	>20	5	9	8
F	Potassium Water	ppm	ASTM D5185m WC Method	>20 >.1	5 NEG	9 NEG	8 NEG
F \ S	Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >.1 NONE	5 NEG NONE	9 NEG NONE	8 NEG NONE
F \ S	Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >.1 NONE NONE	5 NEG NONE MODER	9 NEG NONE NONE	8 NEG NONE NONE
F N S C S	Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >.1 NONE NONE NONE	5 NEG NONE MODER NONE	9 NEG NONE NONE NONE	8 NEG NONE NONE
F N S S S S S S S S S S S S S S S S S S	Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >.1 NONE NONE NONE	5 NEG NONE MODER NONE NORML	9 NEG NONE NONE NONE NORML	8 NEG NONE NONE NONE NORML
F N S S C C C E E	Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NONE NORML	9 NEG NONE NONE NONE NORML NORML	8 NEG NONE NONE NONE NORML NORML
F N S C C E E S	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NONE NORML NORML NEG	9 NEG NONE NONE NORML NORML NEG	8 NEG NONE NONE NORML NORML NEG
F N S C E E E	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NEG	9 NEG NONE NONE NORML NORML NEG 2	8 NEG NONE NONE NORML NORML NEG <1
F N S E E E E E	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE NONE NORML NORML NEG	9 NEG NONE NONE NORML NORML NEG 2 47	8 NEG NONE NONE NORML NORML NEG <1 48
F N S C E E E E E	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NEG <1 23 0	9 NEG NONE NONE NORML NORML NEG 2 47 0	8 NEG NONE NONE NORML NORML NEG <1 48 0
F N S C E E E E E N N	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NEG <1 23 0 <1	9 NEG NONE NONE NORML NORML NEG 2 47 0 <1	8 NEG NONE NONE NORML NORML NEG <1 48 0 <1
F N S S C C E E E E N N N	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NEG <1 23 0 <1 23 0 <1	9 NEG NONE NONE NORML NORML NEG 2 47 0 <1	8 NEG NONE NONE NORML NORML NEG <1 48 0 <1 48
F ( ( ( ( ( ( ( ( ( ( ( ( (	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE NONE NORML NORML NEG <1 23 0 <1 0 <1 0 7	9 NEG NONE NONE NORML NORML NEG 2 47 0 <1 <1 <1 4	8 NEG NONE NONE NORML NORML NEG <1 48 0 <1 48 0 <1 <1 5
F N S C C E E E E E N N N C C F	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NORML 23 0 <1 23 0 <1 0 7 399	9 NEG NONE NONE NORML NORML 2 47 0 2 47 0 <1 <1 <1 4 576	8 NEG NONE NONE NORML NORML NEG <1 48 0 <1 48 0 <1 <1 5 5 587
F F V S S S S S S S S S S S S S S S S S	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE MODER NORML NORML NEG <1 23 0 <1 23 0 <1 0 <1 0 7 399 679	9 NEG NONE NONE NORML NORML NEG 2 47 0 <1 <1 <1 4 576 680	8 NEG NONE NONE NORML NORML NEG <1 48 0 <1 48 0 <1 <1 5 587 587 674
F S S S S S S S S S S S S S S S S S S S	Potassium Water Silt Debris Sand/Dirt Appearance Ddor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.1 NONE NONE NORML	5 NEG NONE NONE NORML NORML NEG <1 23 0 <1 23 0 <1 0 7 399 679 833	9 NEG NONE NONE NORML NORML NEG 2 47 0 2 47 0 47 0 47 0 576 680 826	8 NEG NONE NONE NORML NEG <1 48 0 <1 48 0 <1 <1 5 587 587 674 822









Lab Number : 06222542 Tested CASTLE HAYNE, NC : 28 Jun 2024 Unique Number : 11100739 Diagnosed : 28 Jun 2024 - Angela Borella US 28429-5819 Test Package : CONST (Additional Tests: PQ) Contact: WILMINGTON SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (910)675-9211 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

: 27 Jun 2024

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Laboratory

Sample No.

: JR0217346

Submitted By: Jacob Harvey Page 2 of 2

**JRE - CASTLE HAYNE** 

113 CROWATAN ROAD