



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[16W16494]

Machine Id

JOHN DEERE 853M 1T0853MXELL389635 - DOOR

Component

Pump

Fluid

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)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217346	JR0173315	JR0154083
Sample Date		Client Info		24 Jun 2024	16 Jun 2023	28 Jan 2023
Machine Age	hrs	Client Info		5812	4282	3737
Oil Age	hrs	Client Info		1530	2198	1689
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		20	16	9
Iron	ppm	ASTM D5185m	>500	1	2	2
Chromium	ppm	ASTM D5185m	>7	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	<1
Lead	ppm	ASTM D5185m	>35	0	0	1
Copper	ppm	ASTM D5185m	>50	33	49	53
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

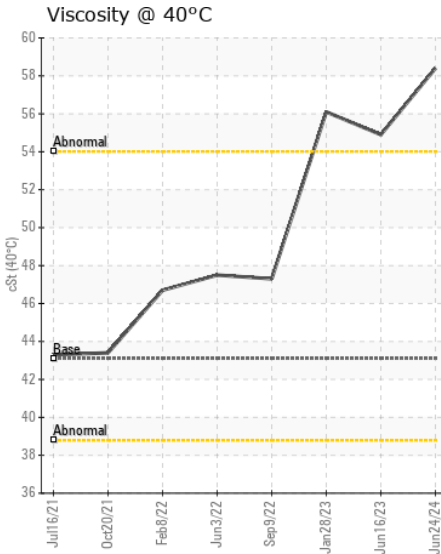
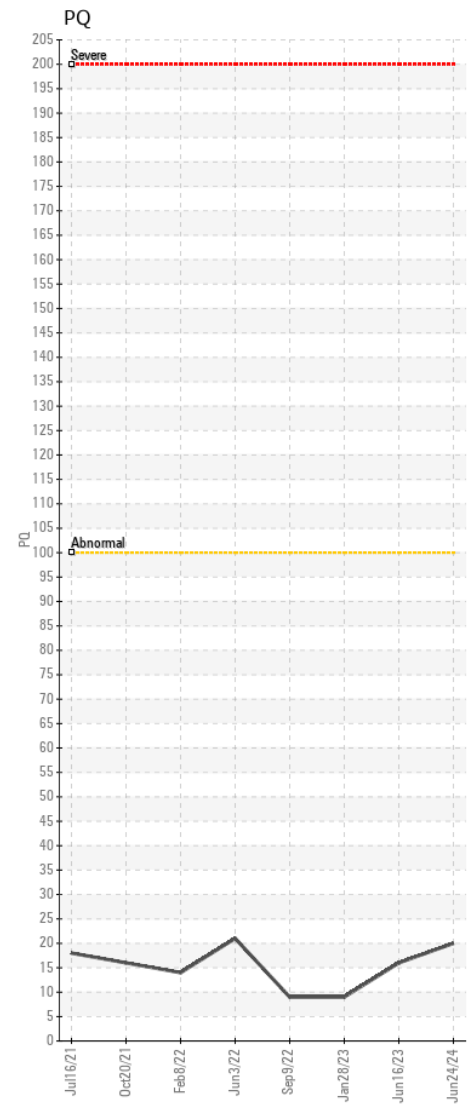
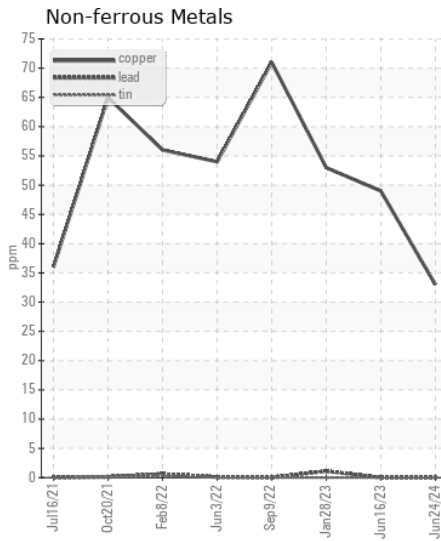
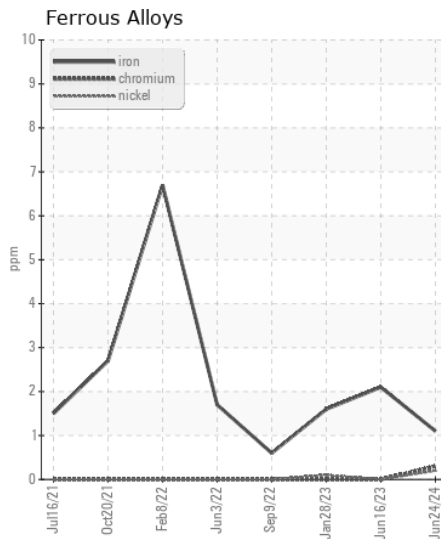
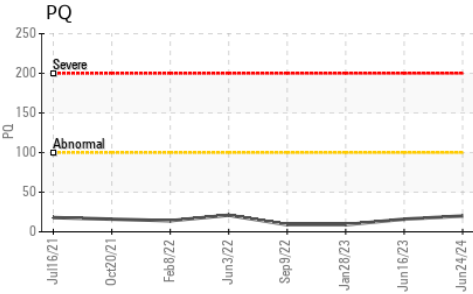
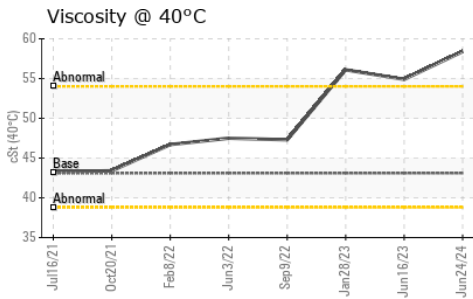
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	2	3	3
Potassium	ppm	ASTM D5185m	>20	5	9	8
Water		WC Method	>.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	<1
Boron	ppm	ASTM D5185m		23	47	48
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		7	4	5
Calcium	ppm	ASTM D5185m		399	576	587
Phosphorus	ppm	ASTM D5185m		679	680	674
Zinc	ppm	ASTM D5185m		833	826	822
Sulfur	ppm	ASTM D5185m		2097	2551	2206
Visc @ 40°C	cSt	ASTM D445	43.1	58.4	54.9	56.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217346
Lab Number : 06222542
Unique Number : 11100739
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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* - 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)

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