



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W15784]

Machine Id

JOHN DEERE 844L 1DW844LXANL714138

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (48 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15784)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206947	JR0185593	JR0173621
Sample Date		Client Info		16 Mar 2024	11 Nov 2023	24 Jun 2023
Machine Age	hrs	Client Info		2502	2041	1597
Oil Age	hrs	Client Info		2502	2041	1597
Filter Age	hrs	Client Info		2502	2041	1597
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		16	16	13
Iron	ppm	ASTM D5185m	>20	5	7	5
Chromium	ppm	ASTM D5185m	>10	4	3	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	0
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>75	6	6	6
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

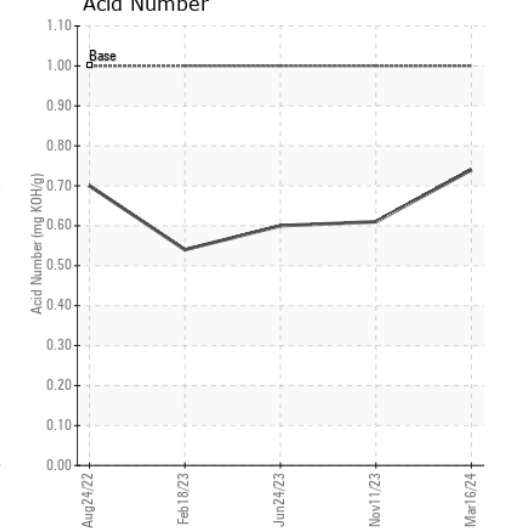
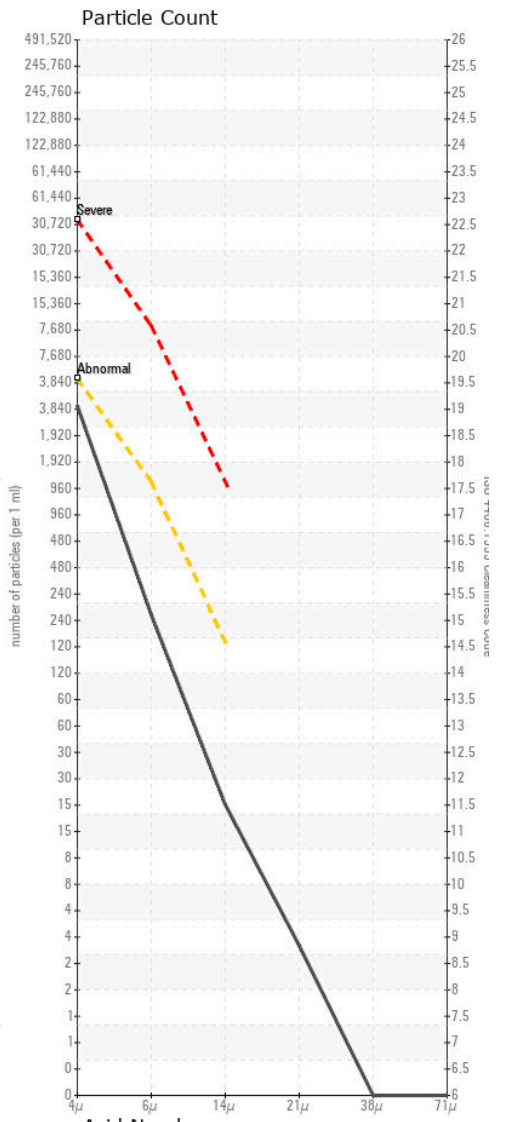
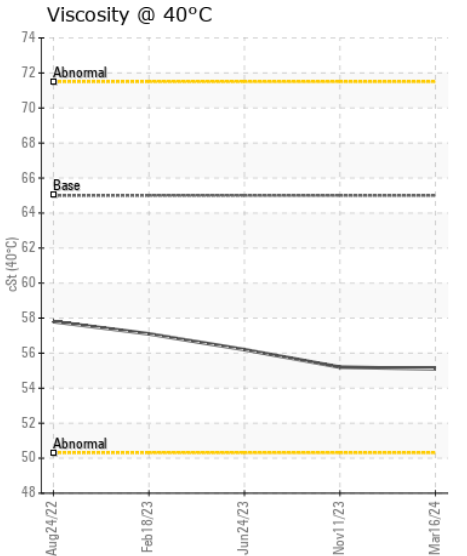
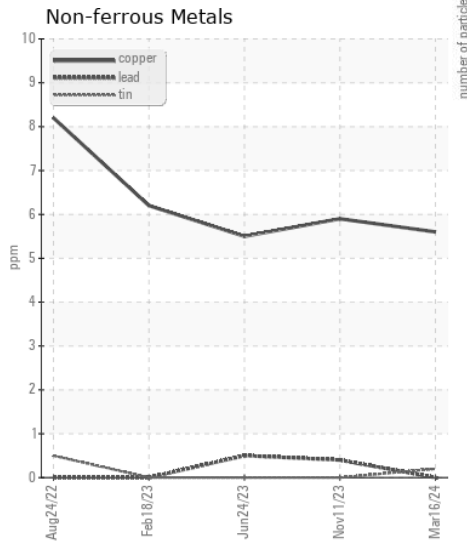
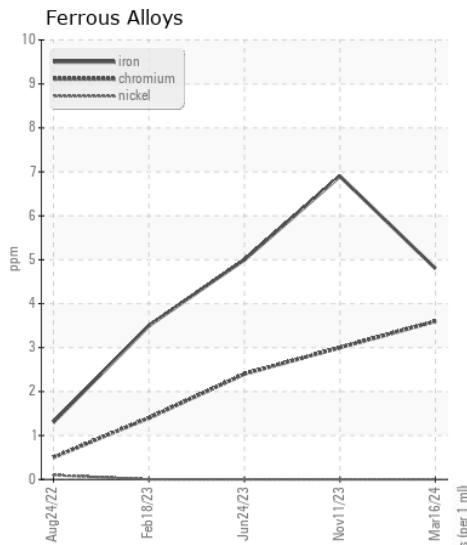
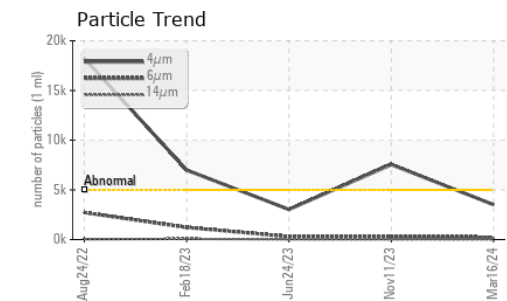
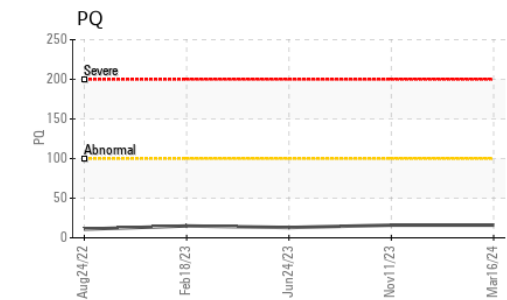
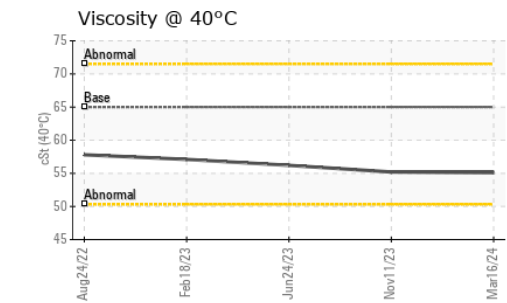
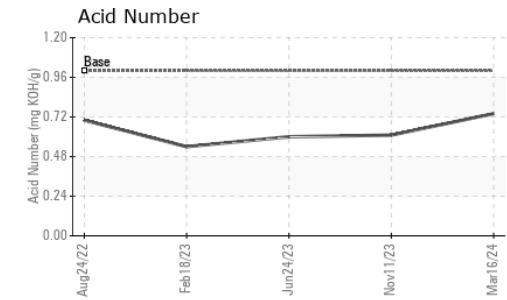
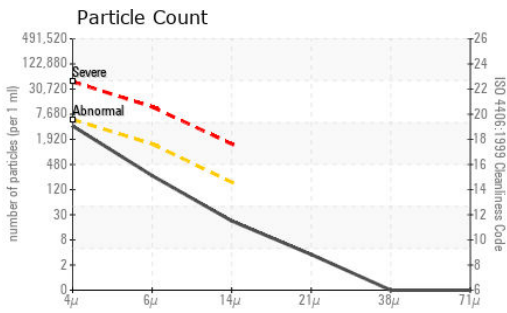
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	3	3	3
Potassium	ppm	ASTM D5185m	>20	<1	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	3511	7548	3032
Particles >6µm		ASTM D7647	>1300	228	279	296
Particles >14µm		ASTM D7647	>160	19	23	20
Particles >21µm		ASTM D7647	>40	3	5	5
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/11	20/15/12	19/15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	2	0
Calcium	ppm	ASTM D5185m	87	86	89	105
Phosphorus	ppm	ASTM D5185m	727	678	630	645
Zinc	ppm	ASTM D5185m	900	895	836	870
Sulfur	ppm	ASTM D5185m	1500	1939	1700	1812
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.74	0.61	0.60
Visc @ 40°C	cSt	ASTM D445	65	55.1	55.2	56.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206947 **Received** : 19 Mar 2024
Lab Number : 06122260 **Tested** : 20 Mar 2024
Unique Number : 10936411 **Diagnosed** : 21 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

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

Contact: WILMINGTON SHOP
 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)

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