



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
[W65764]

Machine Id
JOHN DEERE 135G 1FF135GXANF503511

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (20 GAL)

RECOMMENDATION

Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil. (Customer Sample Comment: W65764)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206041	JR0189013	JR0172004
Sample Date		Client Info		04 Apr 2024	03 Nov 2023	06 Jun 2023
Machine Age	hrs	Client Info		1466	968	497
Oil Age	hrs	Client Info		1466	968	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	N/A
Filter Changed		Client Info		Not Chngd	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	16	10	11
Iron	ppm	ASTM D5185m	>32	5	3	<1
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>9	1	0	0
Lead	ppm	ASTM D5185m	>28	1	0	0
Copper	ppm	ASTM D5185m	>50	5	1	0
Tin	ppm	ASTM D5185m	>5	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

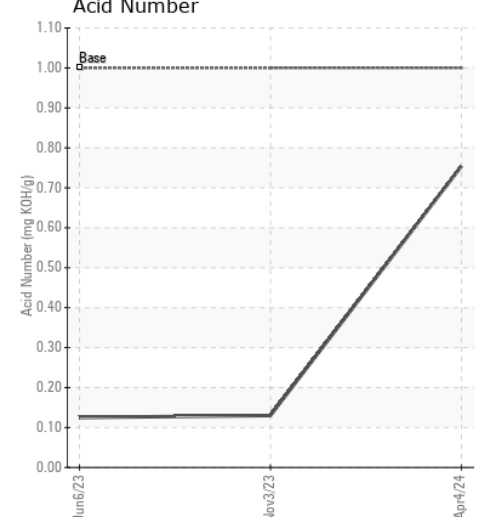
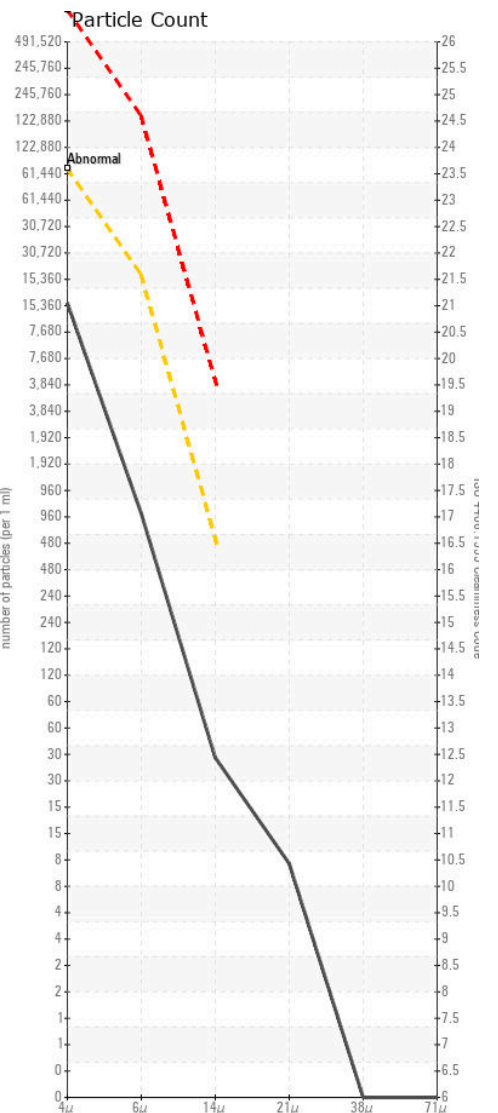
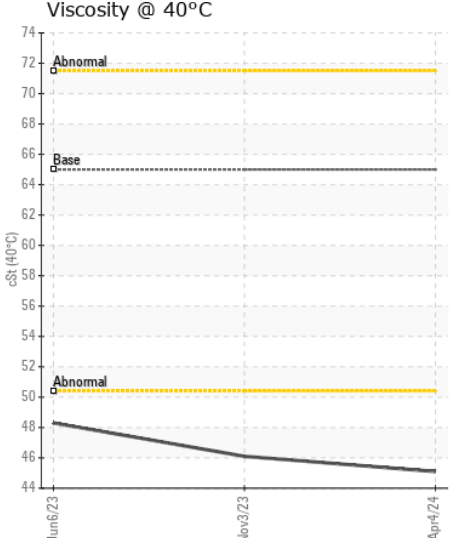
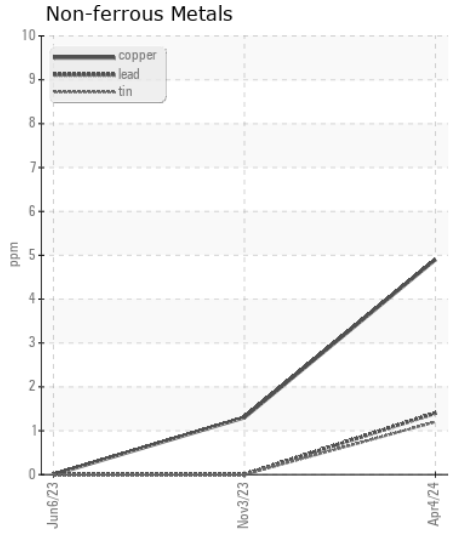
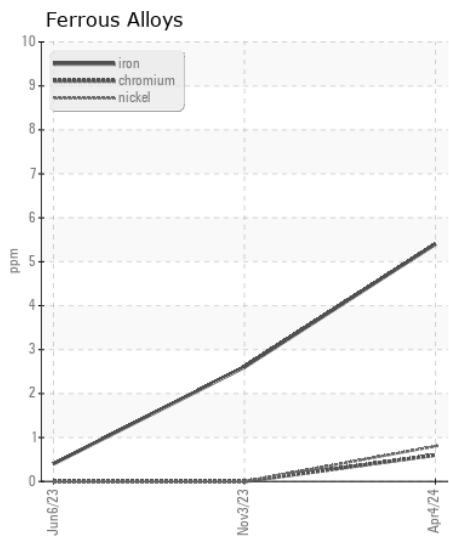
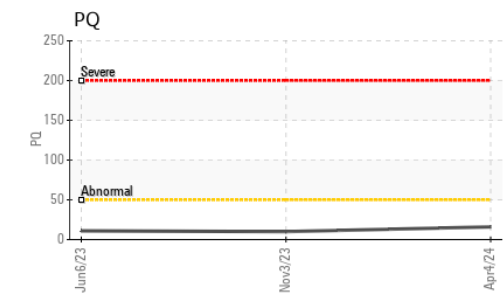
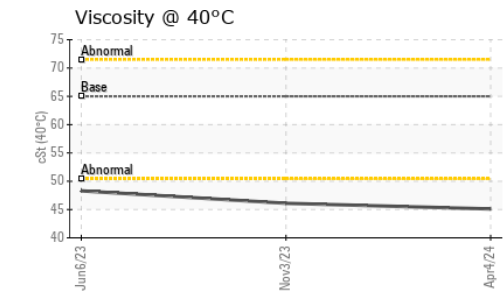
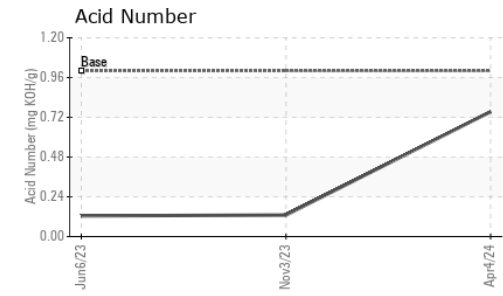
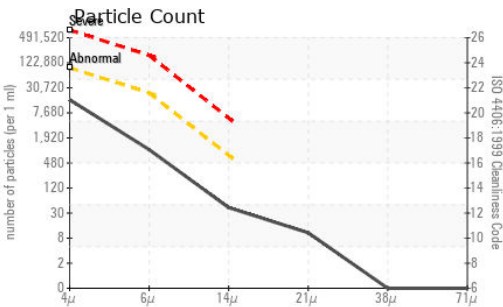
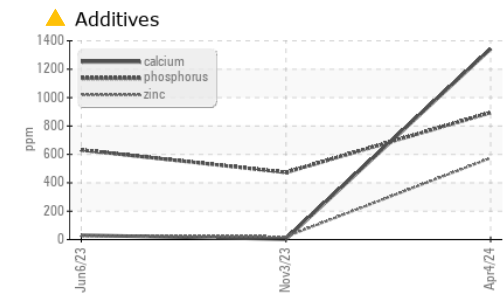
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>11	2	1	2
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	13836	7370	---
Particles >6µm		ASTM D7647	>20000	879	2355	---
Particles >14µm		ASTM D7647	>640	36	401	---
Particles >21µm		ASTM D7647	>160	9	92	---
Particles >38µm		ASTM D7647	>40	0	1	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/17/12	20/18/16	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	>0.075	NEG	NEG	NEG

FLUID CONDITION

Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m	>21	0	<1	<1
Boron	ppm	ASTM D5185m		0	0	4
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		2	0	5
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		8	0	19
Calcium	ppm	ASTM D5185m	87	1343	3	31
Phosphorus	ppm	ASTM D5185m	727	894	473	631
Zinc	ppm	ASTM D5185m	900	▲ 574	20	26
Sulfur	ppm	ASTM D5185m	1500	1742	169	154
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.754	0.13	0.125
Visc @ 40°C	cSt	ASTM D445	65	45.1	46.1	48.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206041 **Received** : 12 Apr 2024
Lab Number : 06147222 **Tested** : 15 Apr 2024
Unique Number : 10977300 **Diagnosed** : 16 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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