



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W48197]
 Machine Id
JOHN DEERE 250G B-140 (S/N 1FF250GXLLF611665)
 Component
Hydraulic System
 Fluid
JOHN DEERE ZINC-FREE HYDRAULIC OIL 46 (35 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0226852	JR0195691	JR0122829
Sample Date		Client Info		15 Jul 2024	08 Jan 2024	29 Mar 2022
Machine Age	hrs	Client Info		9827	8015	2330
Oil Age	hrs	Client Info		9827	8015	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Changed	Changed	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	14	12	15
Iron	ppm	ASTM D5185m	>32	4	2	<1
Chromium	ppm	ASTM D5185m	>9	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>9	3	<1	<1
Lead	ppm	ASTM D5185m	>28	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>5	0	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

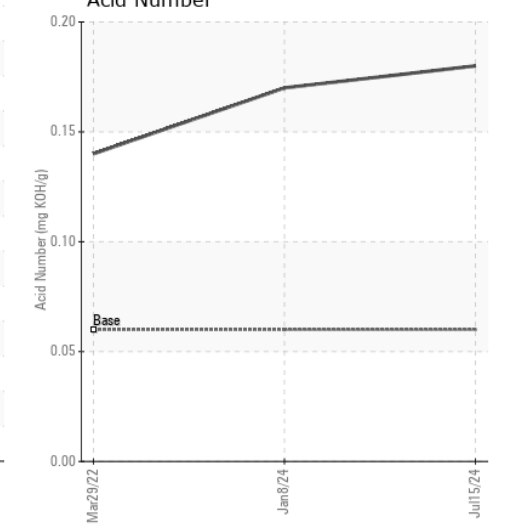
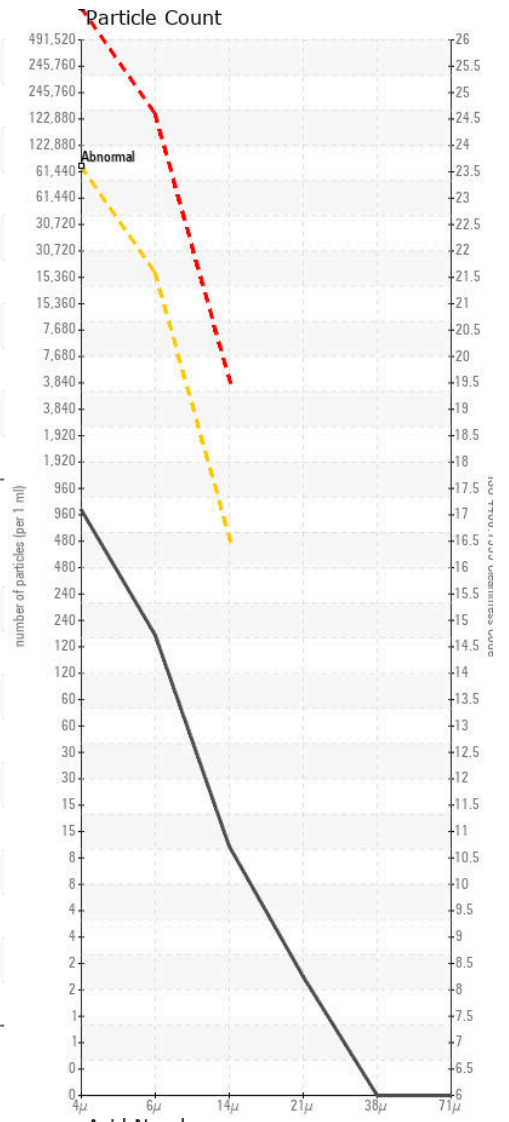
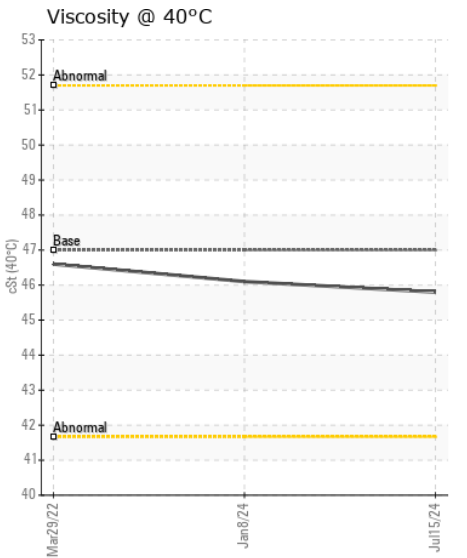
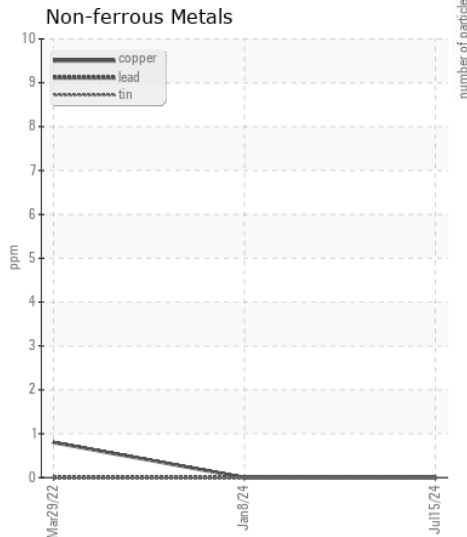
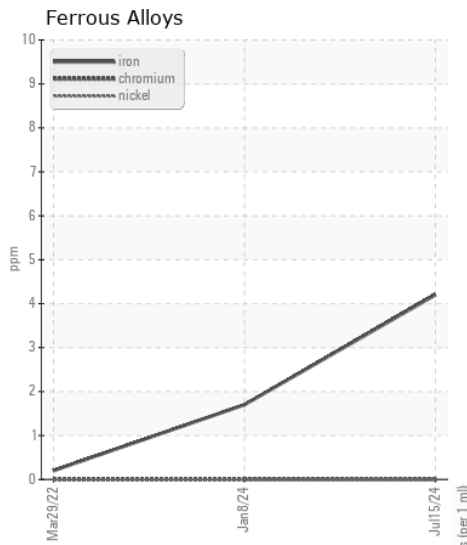
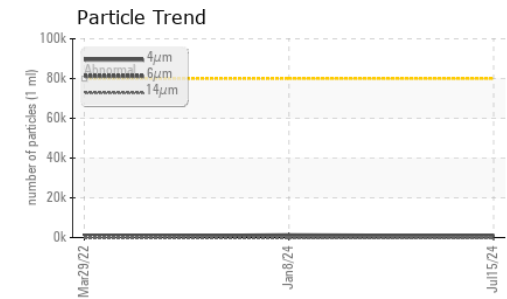
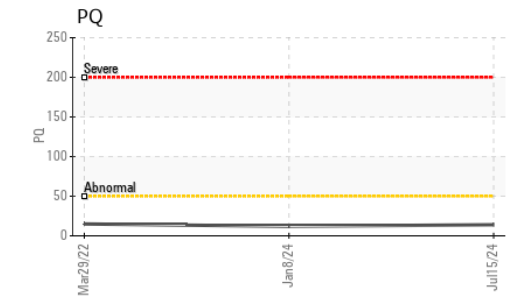
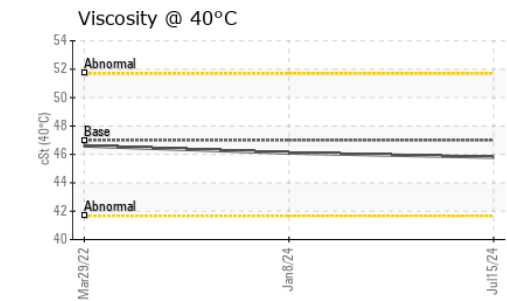
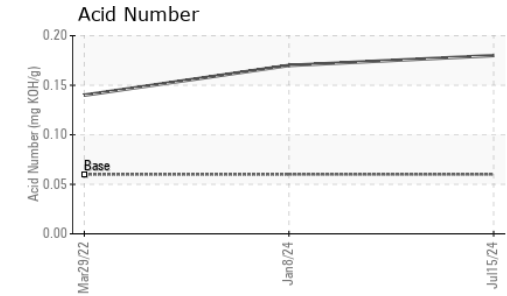
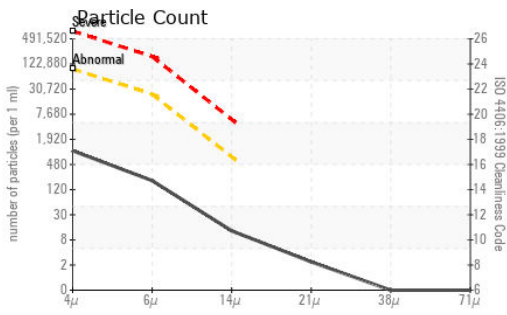
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>11	8	4	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	897	1335	618
Particles >6µm		ASTM D7647	>20000	174	144	135
Particles >14µm		ASTM D7647	>640	11	11	11
Particles >21µm		ASTM D7647	>160	2	3	2
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	17/15/11	18/14/11	16/14/11
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	>0.075	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	>21	3	1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		40	22	3
Phosphorus	ppm	ASTM D5185m		522	513	522
Zinc	ppm	ASTM D5185m		3	2	21
Sulfur	ppm	ASTM D5185m		460	318	254
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.18	0.17	0.14
Visc @ 40°C	cSt	ASTM D445	47	45.8	46.1	46.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0226852 Received : 16 Jul 2024
 Lab Number : 06237661 Tested : 17 Jul 2024
 Unique Number : 11126495 Diagnosed : 18 Jul 2024 - Don Baldrige
 Test Package : CONST (Additional Tests: PQ)

C & D RECOVERY
 24024 FREDERICK RD
 CLARKSBURG, MD
 US 20871
 Contact: HERBIE TRENT

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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F: