



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 748L2 1DW748LBJKF696124
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (33 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047383	LEC0025578	LEC0025578
Sample Date		Client Info		11 Apr 2024	30 Nov 2021	30 Nov 2021
Machine Age	hrs	Client Info		6503	3246	3246
Oil Age	hrs	Client Info		2503	3246	3246
Filter Age	hrs	Client Info		2503	2275	2275
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	24	16	16
Iron	ppm	ASTM D5185m	>23	19	14	14
Chromium	ppm	ASTM D5185m	>9	2	1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>9	2	2	1
Lead	ppm	ASTM D5185m	>28	0	<1	<1
Copper	ppm	ASTM D5185m	>51	2	1	3
Tin	ppm	ASTM D5185m	>5	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

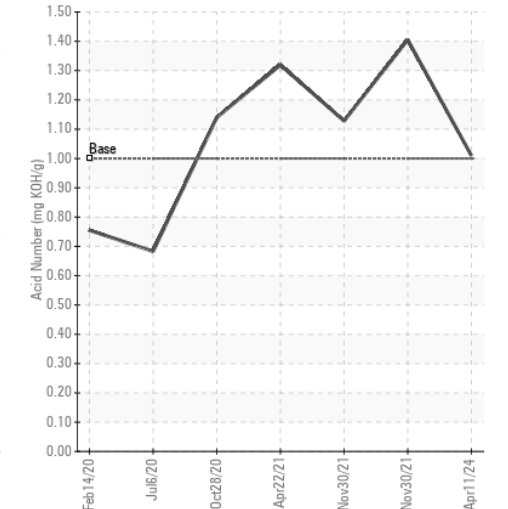
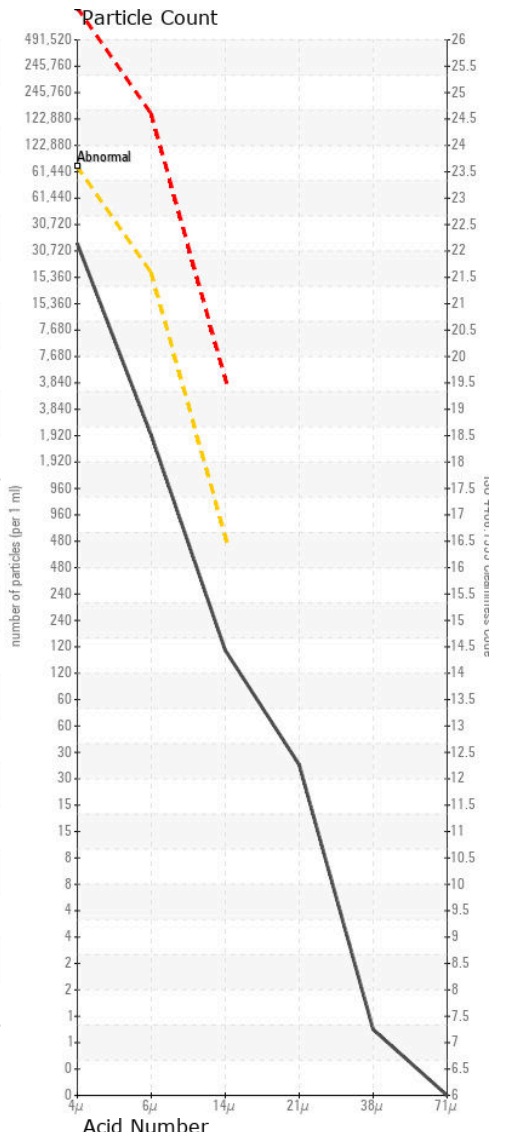
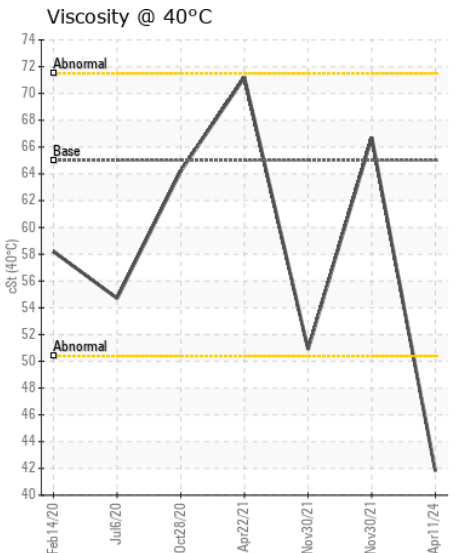
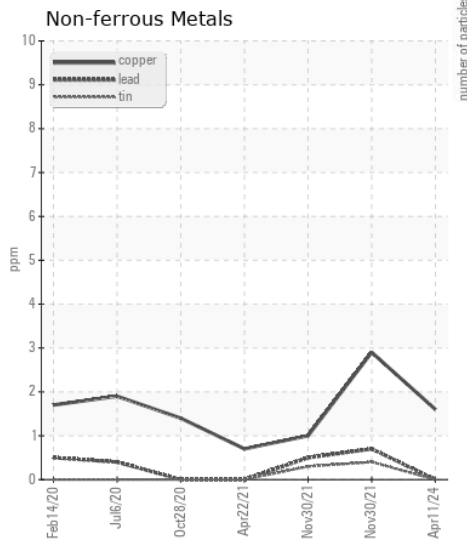
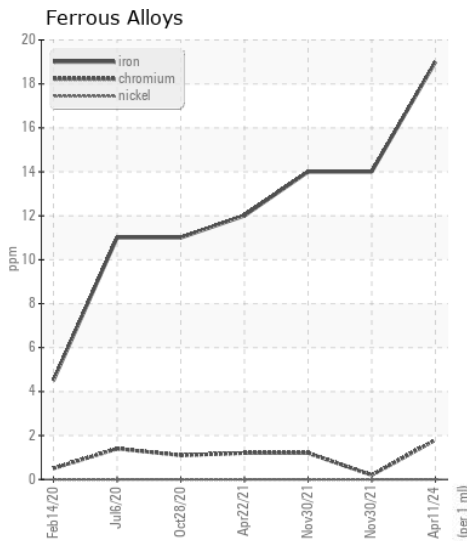
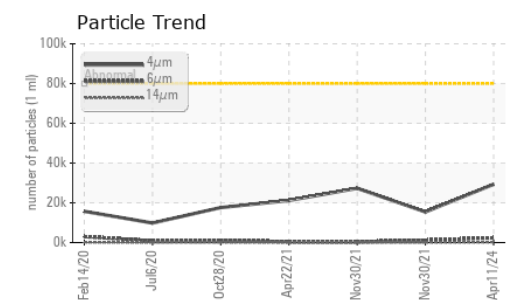
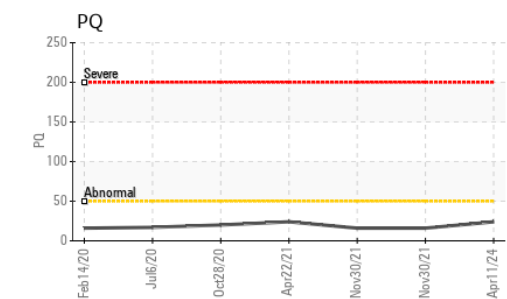
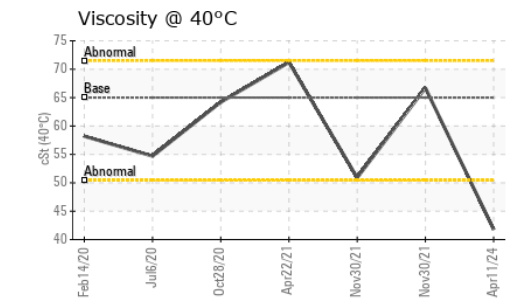
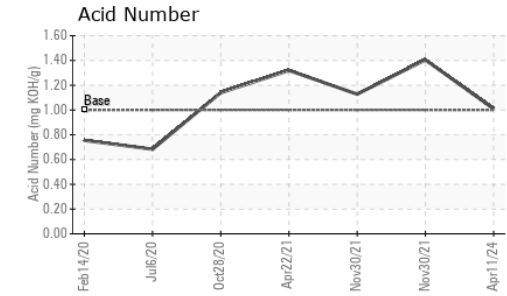
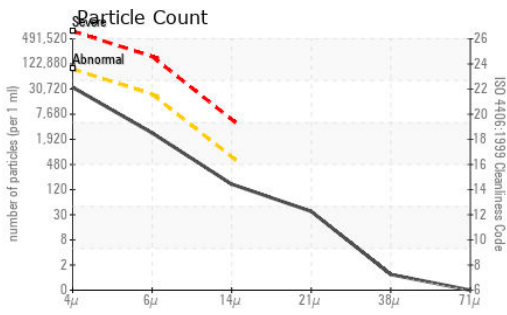
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	21	8	3
Potassium	ppm	ASTM D5185m	>20	4	15	2
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	29348	27325	15409
Particles >6µm		ASTM D7647	>20000	2383	350	1152
Particles >14µm		ASTM D7647	>640	143	18	41
Particles >21µm		ASTM D7647	>160	32	4	9
Particles >38µm		ASTM D7647	>40	1	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	22/18/14	22/16/11	21/17/13
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	7	8	3
Boron	ppm	ASTM D5185m		28	77	7
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		15	21	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		109	356	102
Calcium	ppm	ASTM D5185m	87	1349	2122	3543
Phosphorus	ppm	ASTM D5185m	727	624	1023	1002
Zinc	ppm	ASTM D5185m	900	662	1153	1192
Sulfur	ppm	ASTM D5185m	1500	2649	3148	2892
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.01	1.405	1.128
Visc @ 40°C	cSt	ASTM D445	65	41.8	66.7	50.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047383 **Received** : 15 Apr 2024
Lab Number : 06149473 **Tested** : 16 Apr 2024
Unique Number : 10979551 **Diagnosed** : 17 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

FISHER LOGGING
 HC 77 BOX 9D
 BARTOW, WV
 US 24920
 Contact:

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: