



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
{unassigned}
Machine Id
JOHN DEERE 750L 1T0750LXTLF386960
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (26 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0039188	LEC0031631	LEC0023479
Sample Date		Client Info		17 Feb 2023	06 Jun 2022	07 Oct 2021
Machine Age	hrs	Client Info		1629	1071	529
Oil Age	hrs	Client Info		1629	1071	529
Filter Age	hrs	Client Info		1629	0	529
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	12	23	17
Iron	ppm	ASTM D5185m	>23	4	16	10
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>9	2	0	0
Lead	ppm	ASTM D5185m	>28	<1	<1	<1
Copper	ppm	ASTM D5185m	>51	2	8	7
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

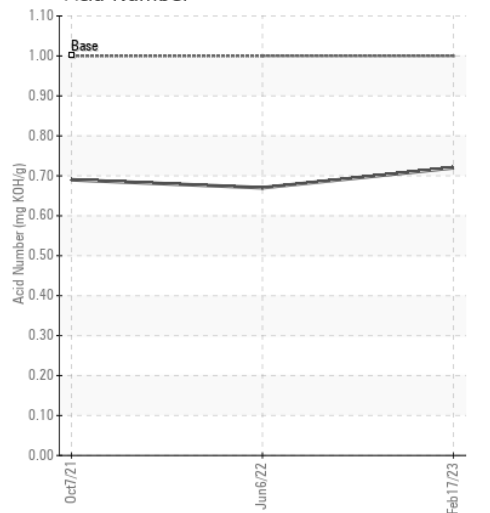
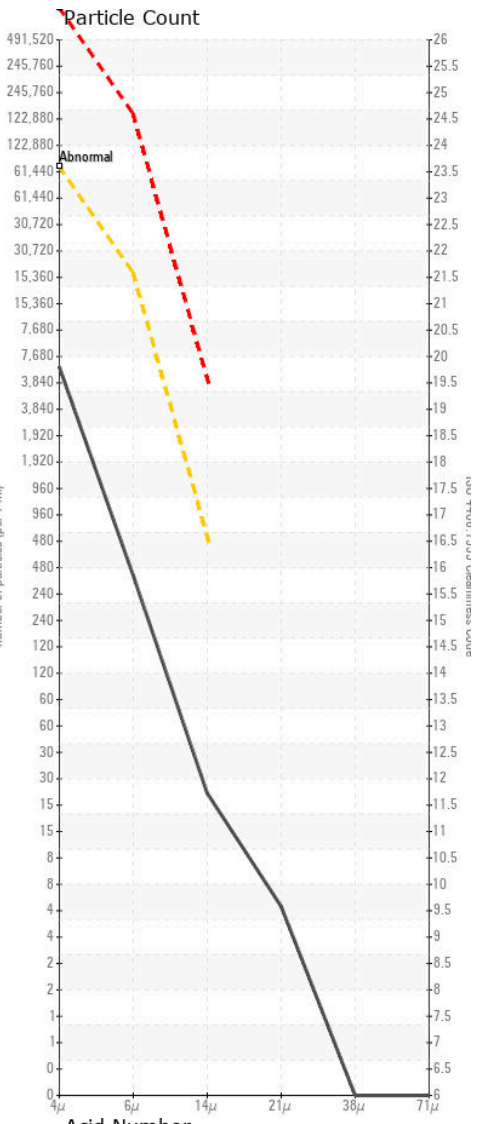
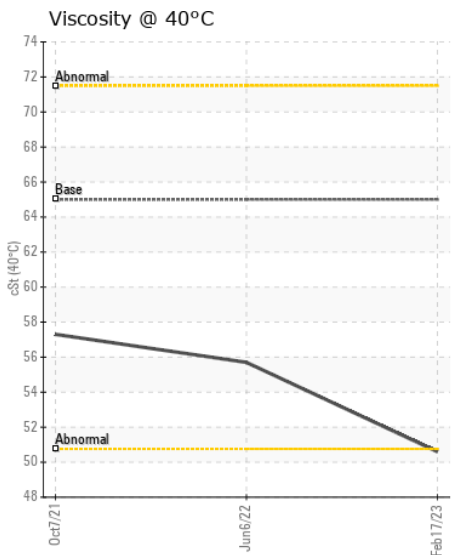
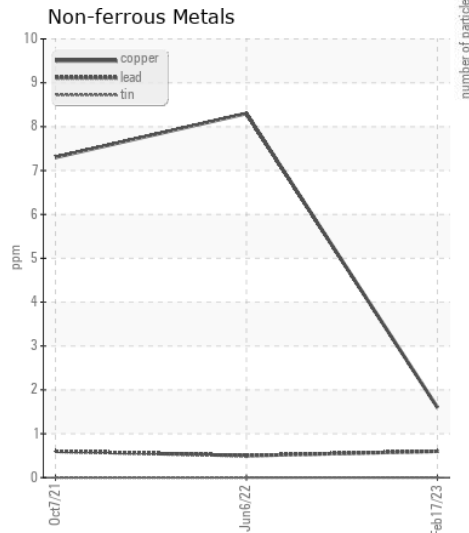
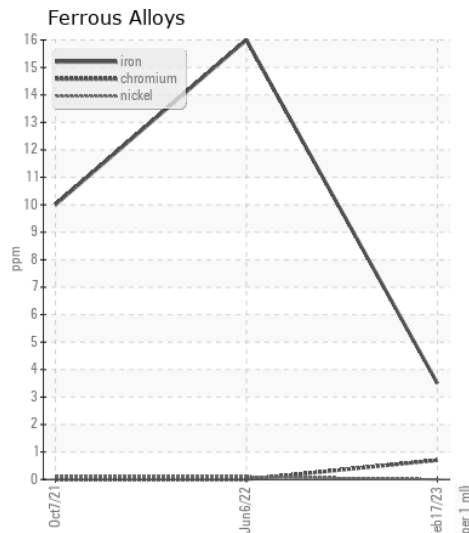
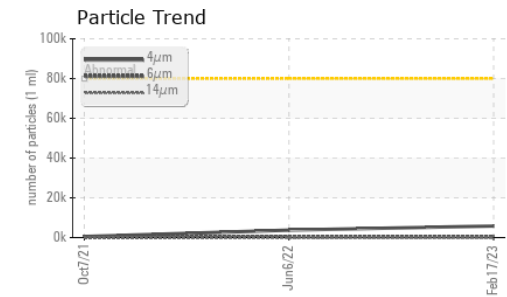
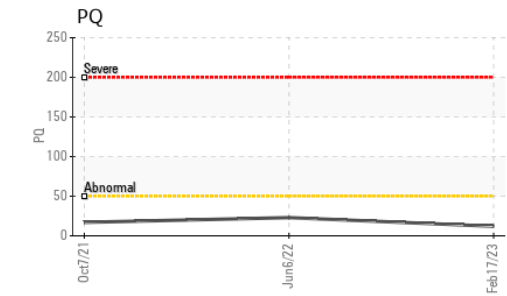
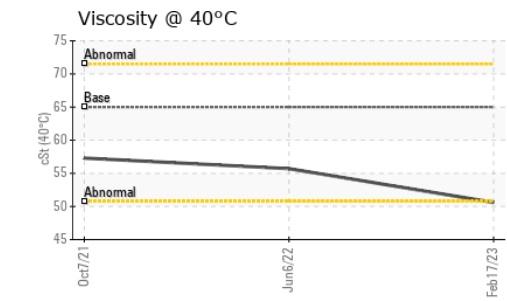
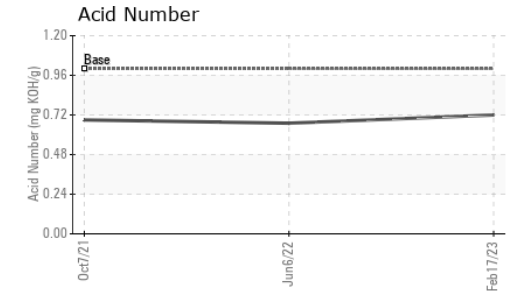
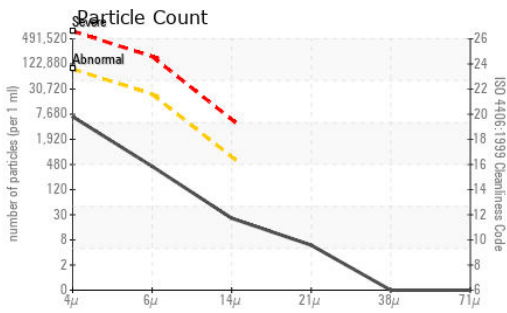
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	2	1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	5835	3749	517
Particles >6µm		ASTM D7647	>20000	380	339	65
Particles >14µm		ASTM D7647	>640	22	25	7
Particles >21µm		ASTM D7647	>160	5	6	0
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/16/12	19/16/12	16/13/10
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	2	<1	2
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		2	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		9	<1	1
Calcium	ppm	ASTM D5185m	87	602	85	86
Phosphorus	ppm	ASTM D5185m	727	613	551	544
Zinc	ppm	ASTM D5185m	900	818	754	699
Sulfur	ppm	ASTM D5185m	1500	2243	1478	1274
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.72	0.67	0.690
Visc @ 40°C	cSt	ASTM D445	65	50.6	55.7	57.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : LEC0039188 Received : 21 Feb 2023
 Lab Number : 05773426 Tested : 22 Feb 2023
 Unique Number : 10348043 Diagnosed : 22 Feb 2023 - 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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