



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K 1T0750KXLFF288639
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (56 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045189	LEC0006313	LECP188355
Sample Date		Client Info		24 Apr 2024	24 Aug 2019	08 Jun 2018
Machine Age	hrs	Client Info		3422	1895	1316
Oil Age	hrs	Client Info		1422	1895	1316
Filter Age	hrs	Client Info		1422	1895	1316
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	18	21	14
Iron	ppm	ASTM D5185m	>23	6	12	9
Chromium	ppm	ASTM D5185m	>9	<1	3	2
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>9	2	4	3
Lead	ppm	ASTM D5185m	>28	0	<1	2
Copper	ppm	ASTM D5185m	>51	0	4	3
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

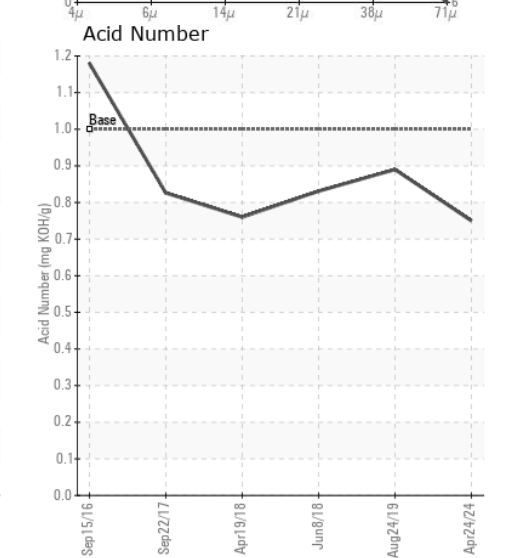
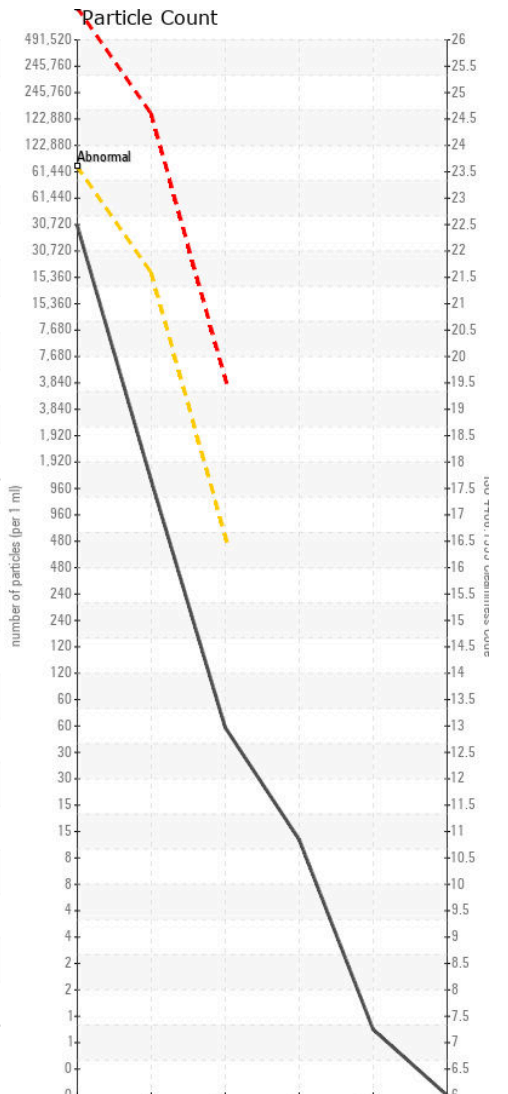
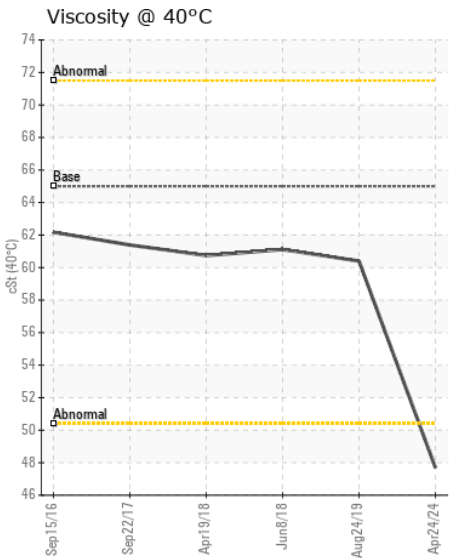
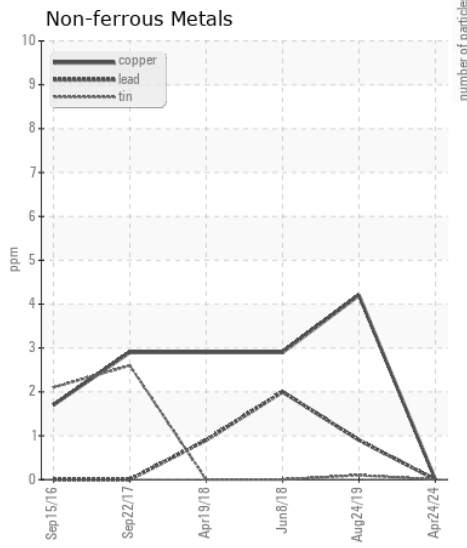
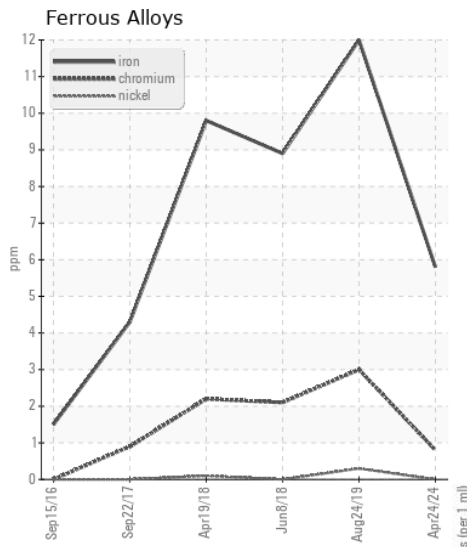
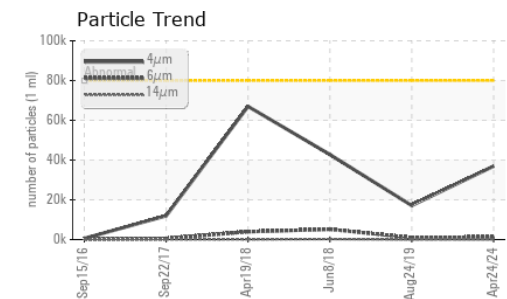
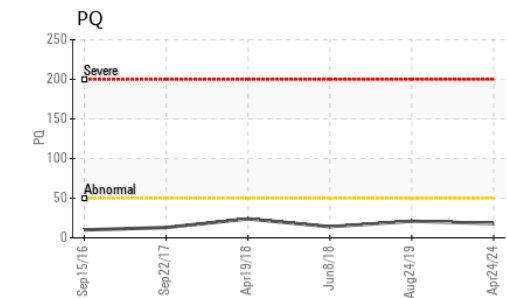
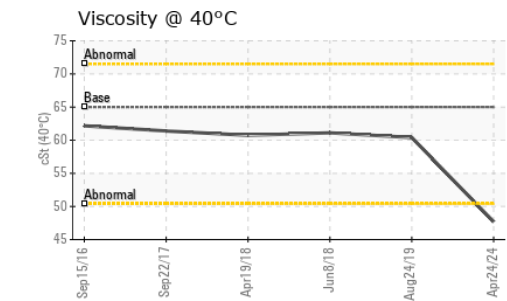
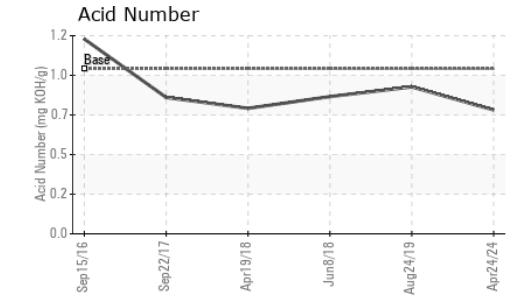
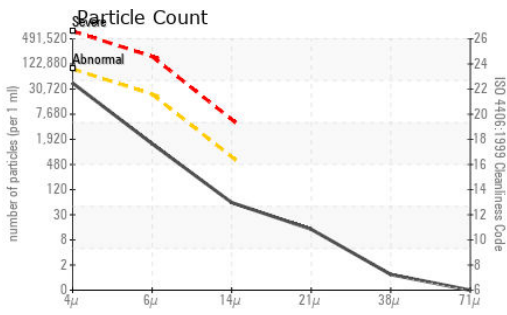
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	6	6	6
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	36946	17124	42776
Particles >6µm		ASTM D7647	>20000	1318	937	5189
Particles >14µm		ASTM D7647	>640	52	30	249
Particles >21µm		ASTM D7647	>160	12	9	51
Particles >38µm		ASTM D7647	>40	1	0	7
Particles >71µm		ASTM D7647	>10	0	0	6
Oil Cleanliness		ISO 4406 (c)	>23/21/16	22/18/13	21/17/12	23/20/15
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	<1	<1	2
Boron	ppm	ASTM D5185m		5	<1	<1
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		3	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		12	5	5
Calcium	ppm	ASTM D5185m	87	672	132	126
Phosphorus	ppm	ASTM D5185m	727	492	651	670
Zinc	ppm	ASTM D5185m	900	592	858	819
Sulfur	ppm	ASTM D5185m	1500	1671	1497	1604
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.75	0.890	0.831
Visc @ 40°C	cSt	ASTM D445	65	47.7	60.4	61.11



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045189 **Received** : 26 Apr 2024
Lab Number : 06161358 **Tested** : 29 Apr 2024
Unique Number : 10996781 **Diagnosed** : 29 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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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