



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
Store 3 - Norton
 Machine Id
JOHN DEERE 750K LGP D17 (S/N F337030)
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047737	LEC0039942	LEC0020750
Sample Date		Client Info		13 Dec 2023	04 Feb 2023	16 Apr 2021
Machine Age	hrs	Client Info		4043	3479	2100
Oil Age	hrs	Client Info		4043	3479	2100
Filter Age	hrs	Client Info		500	3479	1000
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	23	13	11
Chromium	ppm	ASTM D5185m	>10	<1	7	5
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	4	3
Lead	ppm	ASTM D5185m	>10	2	<1	1
Copper	ppm	ASTM D5185m	>75	18	5	4
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

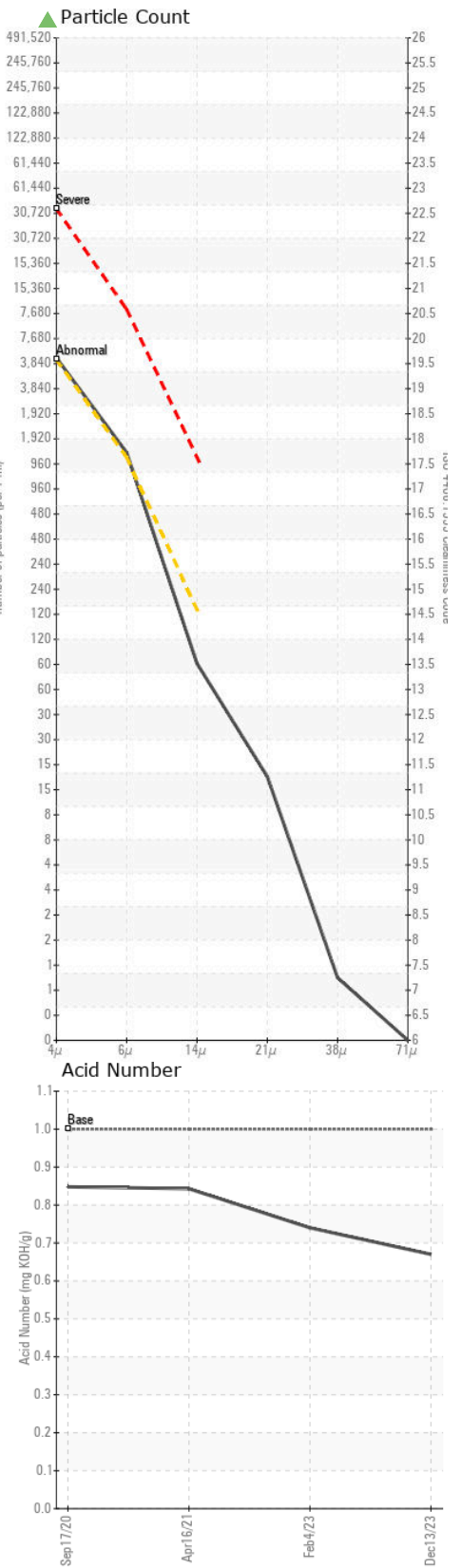
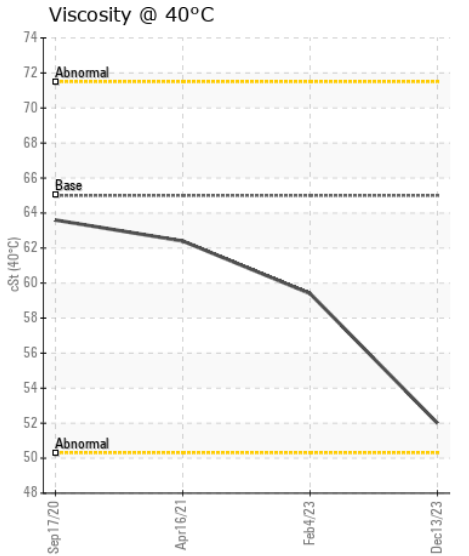
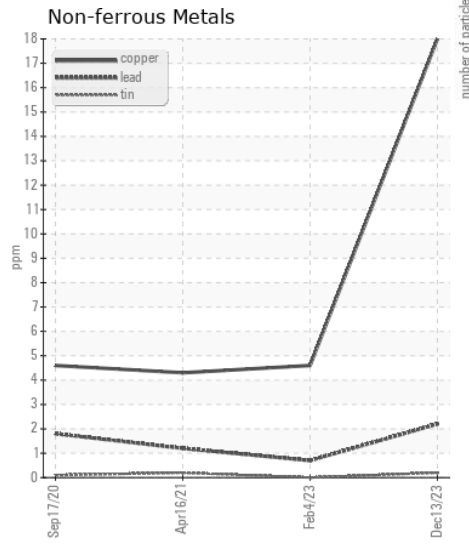
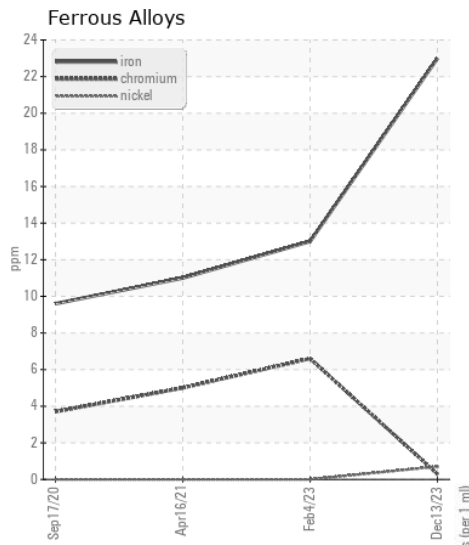
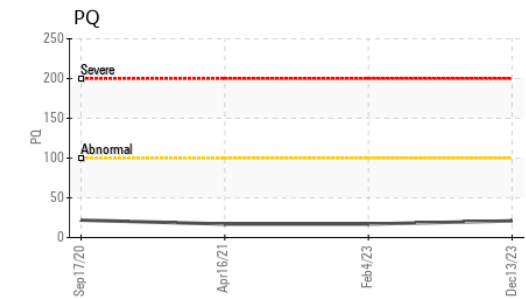
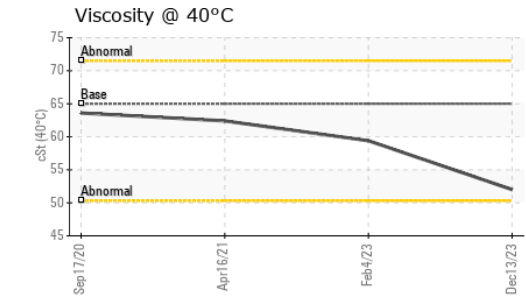
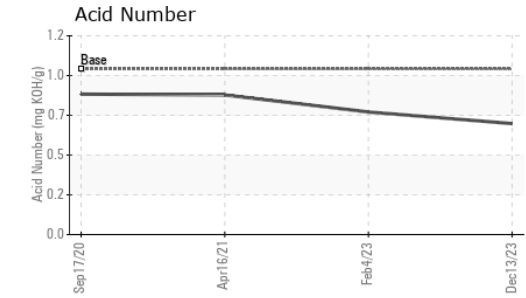
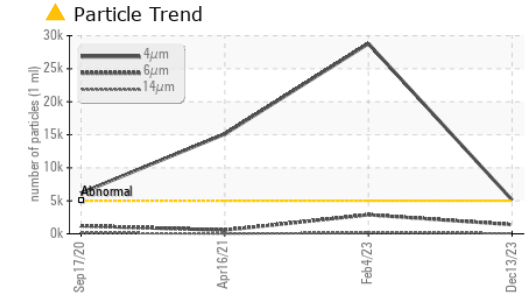
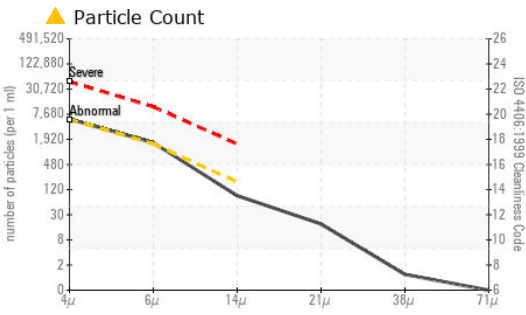
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<1	3	2
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 5127	▲ 28798	▲ 15103
Particles >6µm		ASTM D7647	>1300	▲ 1391	▲ 2878	558
Particles >14µm		ASTM D7647	>160	76	136	36
Particles >21µm		ASTM D7647	>40	16	21	9
Particles >38µm		ASTM D7647	>10	1	2	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/18/13	▲ 22/19/14	▲ 21/16/12
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		0	0	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	<1	2
Calcium	ppm	ASTM D5185m	87	77	▲ 57	72
Phosphorus	ppm	ASTM D5185m	727	457	▲ 532	561
Zinc	ppm	ASTM D5185m	900	744	▲ 674	724
Sulfur	ppm	ASTM D5185m	1500	1401	3518	3119
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.67	0.74	0.843
Visc @ 40°C	cSt	ASTM D445	65	52.0	59.4	62.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047737 **Received** : 30 Jan 2024
Lab Number : 06074616 **Diagnosed** : 01 Feb 2024
Unique Number : 10856707 **Diagnostician** : Jonathan Hester
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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