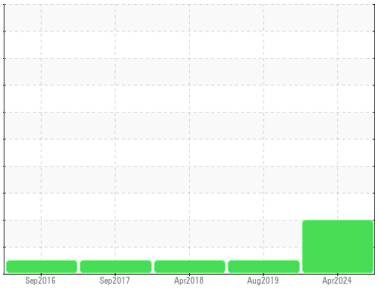
OIL ANALYSIS REPORT

Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K 1T0750KXLFF288639
Component
Transmission
Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

Sample Rating Trend



ADDITIVES

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: POSSIBLE HYDROSTATIC PUMP FAILURE)

Wear
All component wear rates are normal. The wear metal levels do not reflect the suspected failure.

Contamination
There is no indication of any contamination in the fluid.

Fluid Condition
Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**LEC0047388**	LEC0006314	LECP178188
Sample Date		Client Info		**19 Apr 2024**	24 Aug 2019	19 Apr 2018
Machine Age	hrs	Client Info		**5220**	1895	1264
Oil Age	hrs	Client Info		**1220**	1895	1264
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ATTENTION**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.075	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>100	**15**	20	22
Iron	ppm	ASTM D5185m	>61	**12**	18	17
Chromium	ppm	ASTM D5185m	>10	**0**	0	<1
Nickel	ppm	ASTM D5185m		**0**	<1	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>20	**<1**	<1	<1
Lead	ppm	ASTM D5185m	>9	**<1**	2	<1
Copper	ppm	ASTM D5185m	>100	**6**	7	6
Tin	ppm	ASTM D5185m	>3	**0**	0	<1
Antimony	ppm	ASTM D5185m		**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	**3**	11	2
Barium	ppm	ASTM D5185m	0	**0**	<1	<1
Molybdenum	ppm	ASTM D5185m	0	**13**	32	34
Manganese	ppm	ASTM D5185m		**0**	<1	<1
Magnesium	ppm	ASTM D5185m	145	**6**	5	6
Calcium	ppm	ASTM D5185m	3570	**695**	1323	1367
Phosphorus	ppm	ASTM D5185m	1290	**597**	706	732
Zinc	ppm	ASTM D5185m	1640	**692**	833	867
Sulfur	ppm	ASTM D5185m		**2652**	2040	1887

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>21	**2**	6	6
Sodium	ppm	ASTM D5185m	>30	**2**	3	2
Potassium	ppm	ASTM D5185m	>20	**3**	2	2

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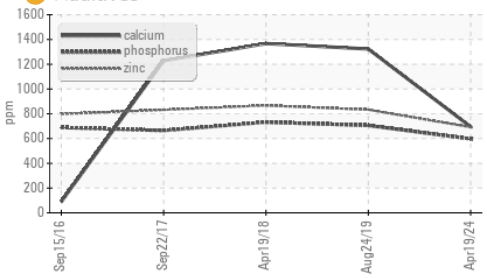
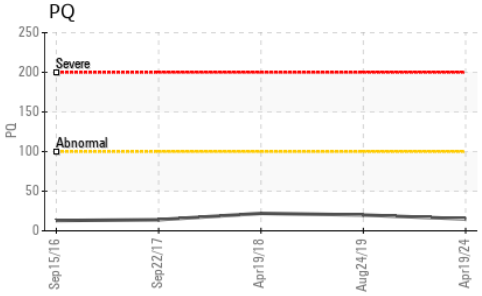
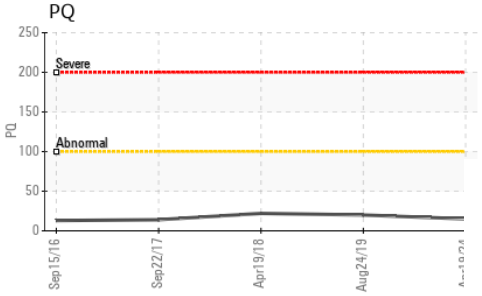
Additives



PQ



PQ



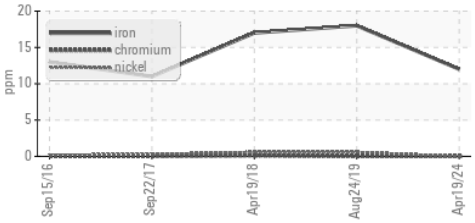
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	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
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	**45.0**	43.8	43.85

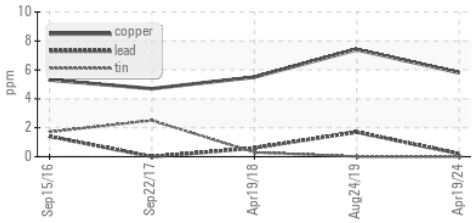
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

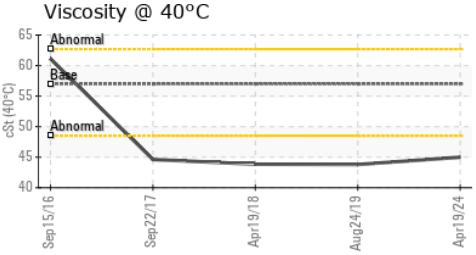
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047388
Lab Number : 06156211
Unique Number : 10991634
Test Package : CONST (Additional Tests: PQ, PrtCount)

Received : 22 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 26 Apr 2024 - Jonathan Hester

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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Report Id: LESMAROH [WUSCAR] 06156211 (Generated: 04/26/2024 13:15:49) Rev: 1

Submitted By: STORE 3 - NORTON - BRIAN YOUTZY