MOB

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
Store 3 - Norton
Machine Id
JOHN DEERE 540G 1DW540GXPDC656979
Component
Hydraulic System
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 10W30 (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

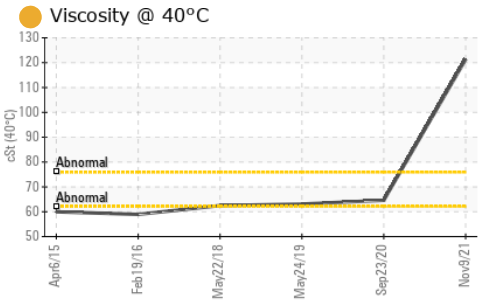
CONTAMINATION

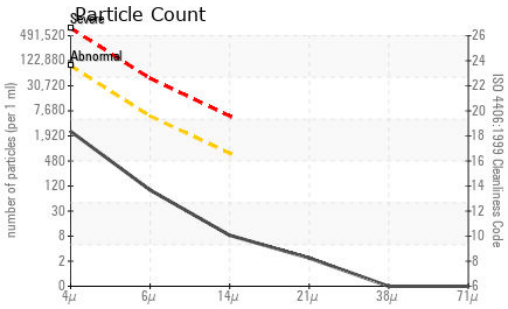
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

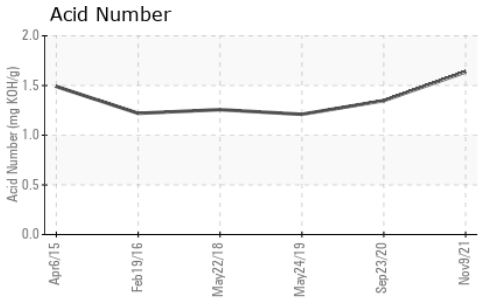
FLUID CONDITION

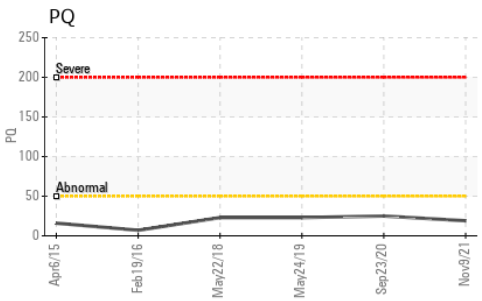
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

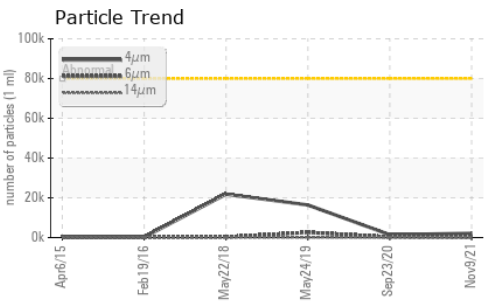
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0025580	LEC0015026	LEC0002293
Sample Date		Client Info		09 Nov 2021	23 Sep 2020	24 May 2019
Machine Age	hrs	Client Info		3544	3003	2457
Oil Age	hrs	Client Info		2621	3003	1534
Filter Age	hrs	Client Info		2621	525	446
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
PQ		ASTM D8184	>50	19	25	23
Iron	ppm	ASTM D5185m	>71	1	23	22
Chromium	ppm	ASTM D5185m	>11	<1	4	3
Nickel	ppm	ASTM D5185m	>6	<1	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		<1	1	<1
Aluminum	ppm	ASTM D5185m	>11	1	8	12
Lead	ppm	ASTM D5185m	>13	<1	<1	<1
Copper	ppm	ASTM D5185m	>21	<1	26	19
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>24	6	20	20
Potassium	ppm	ASTM D5185m	>20	3	4	4
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	2151	1424	16388
Particles >6µm		ASTM D7647	>5000	85	276	2617
Particles >14µm		ASTM D7647	>640	7	17	83
Particles >21µm		ASTM D7647	>160	2	4	16
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	18/14/10	18/15/11	21/19/14
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
Sodium	ppm	ASTM D5185m	>21	<1	4	5
Boron	ppm	ASTM D5185m		244	151	101
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		210	114	94
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		693	478	467
Calcium	ppm	ASTM D5185m		1397	2022	2044
Phosphorus	ppm	ASTM D5185m		820	998	961
Zinc	ppm	ASTM D5185m		956	1165	1055
Sulfur	ppm	ASTM D5185m		2647	3117	3317
Acid Number (AN)	mg KOH/g	ASTM D8045		1.637	1.348	1.210
Visc @ 40°C	cSt	ASTM D445		121.3	64.6	63.1

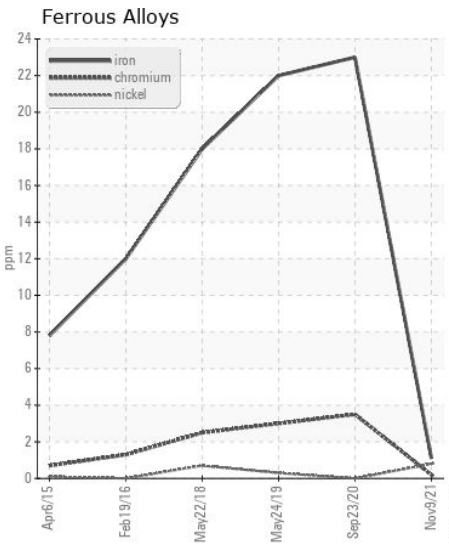


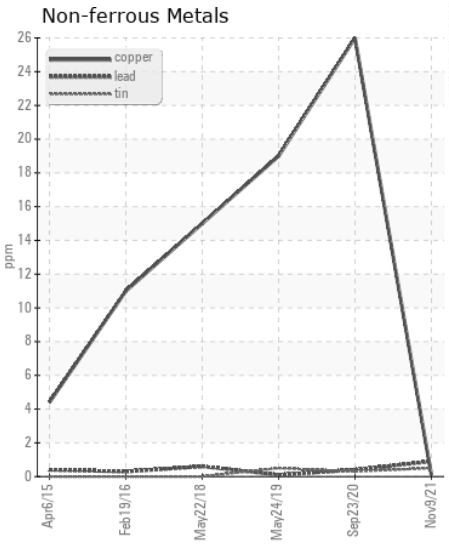


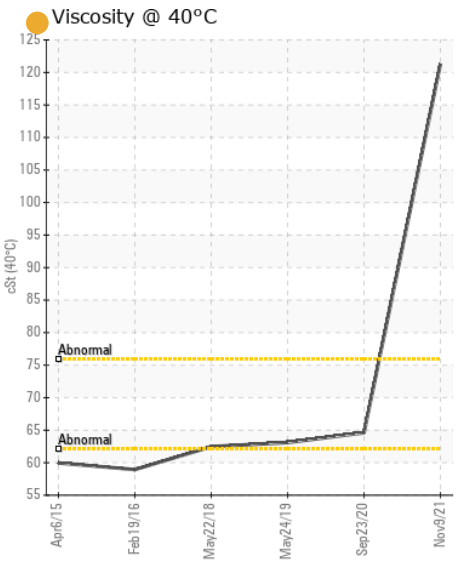


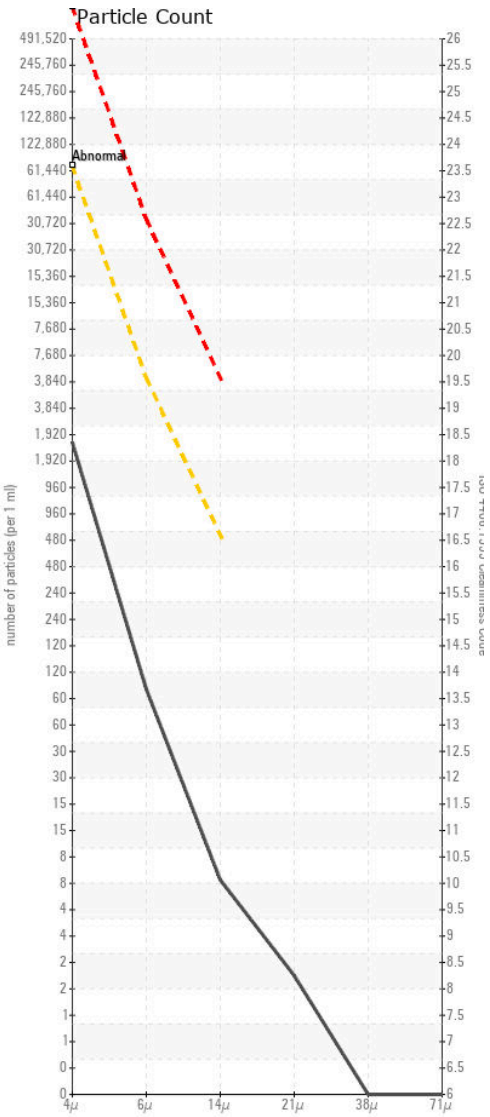


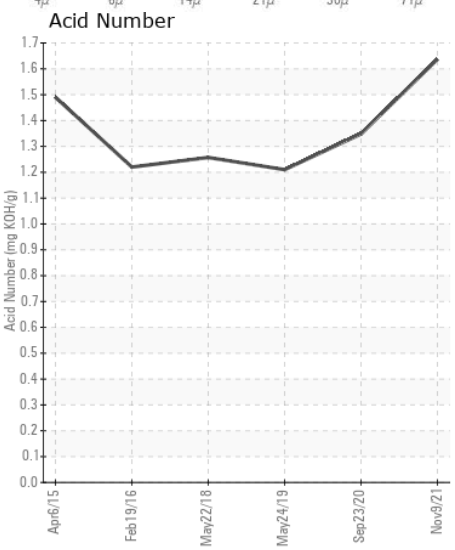












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0025580
Lab Number : 05398391
Unique Number : 9737541
Test Package : MOBCE (Additional Tests: PQ)

Received : 11 Nov 2021
Tested : 16 Nov 2021
Diagnosed : 16 Nov 2021 - Doug Bogart

Certificate L2367

RL LOGGING
217 CLAYPOOL HOLLOW RD
BUCKHANNON, WV
US 26201
Contact: SERVICE MANAGER

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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