



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 2 - Beaver [RO#117428]
Machine Id
JOHN DEERE 848L 1DW848LBEKF697223
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0020181	LEC0019843	LEC0013889
Sample Date		Client Info		25 Jun 2021	17 Feb 2021	29 Sep 2020
Machine Age	hrs	Client Info		2076	1499	1009
Oil Age	hrs	Client Info		1067	490	547
Filter Age	hrs	Client Info		1067	0	547
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		24	19	21
Iron	ppm	ASTM D5185m	>750	41	20	18
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	0	1	<1
Lead	ppm	ASTM D5185m	>49	1	0	0
Copper	ppm	ASTM D5185m	>101	4	2	2
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

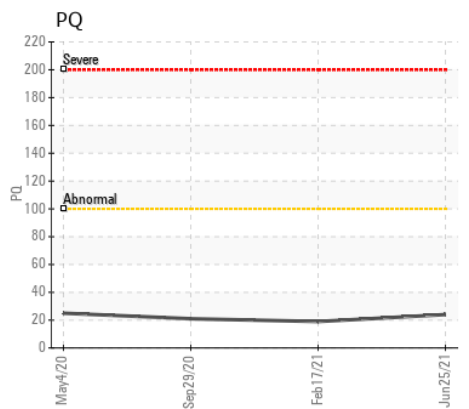
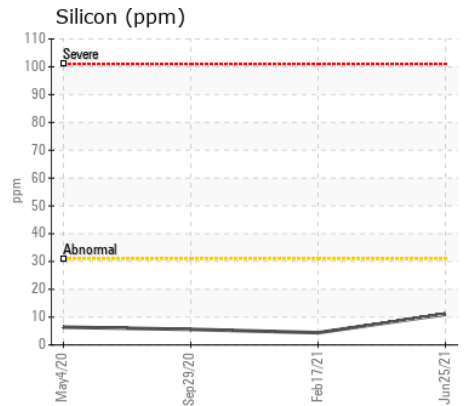
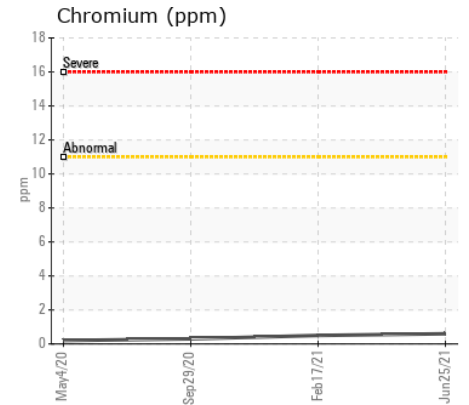
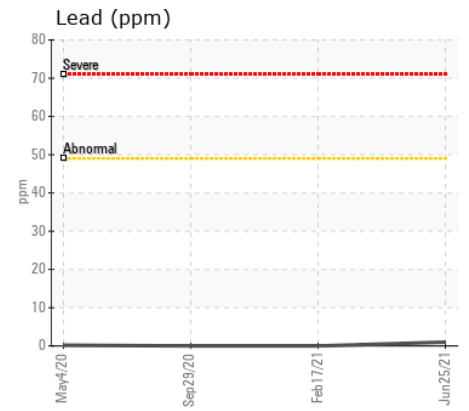
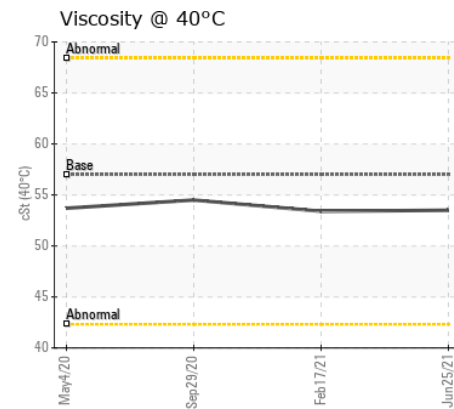
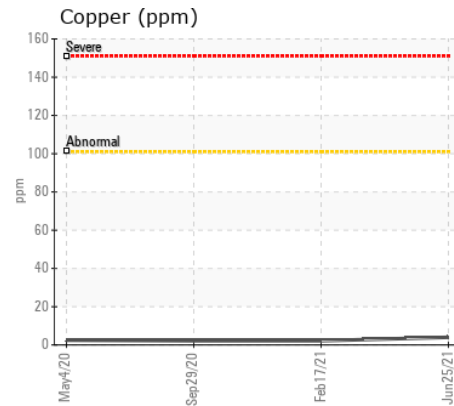
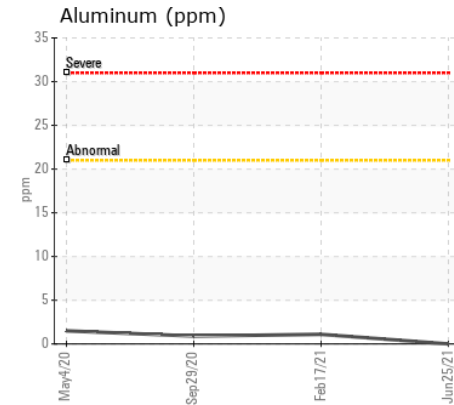
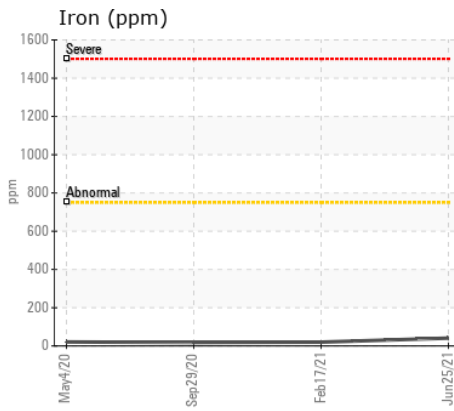
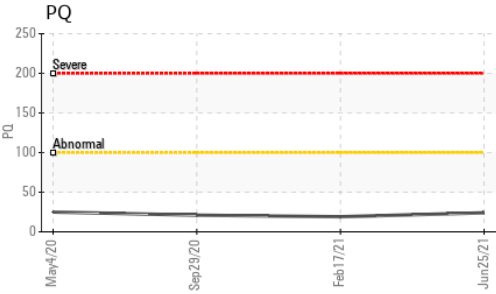
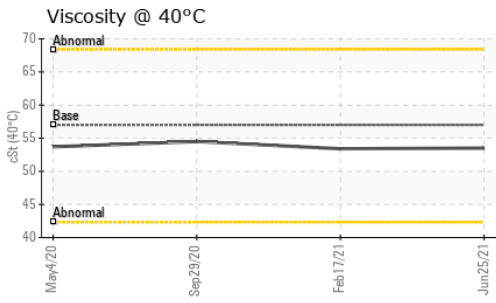
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	11	4	6
Potassium	ppm	ASTM D5185m	>20	2	12	5
Water		WC Method	>0.1	NEG	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	3	3
Boron	ppm	ASTM D5185m	6	7	1	2
Barium	ppm	ASTM D5185m	0	<1	1	1
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		2	1	2
Magnesium	ppm	ASTM D5185m	145	91	93	101
Calcium	ppm	ASTM D5185m	3570	3304	3218	3510
Phosphorus	ppm	ASTM D5185m	1290	960	938	916
Zinc	ppm	ASTM D5185m	1640	1169	1111	1214
Sulfur	ppm	ASTM D5185m		2887	2543	2735
Visc @ 40°C	cSt	ASTM D445	57.0	53.5	53.4	54.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0020181 **Received** : 30 Jun 2021
Lab Number : 05292387 **Diagnosed** : 01 Jul 2021
Unique Number : 9566342 **Diagnostician** : Angela Borella
Test Package : MOBCE (Additional Tests: PQ)

MOUNTAINEER MECHANIZED
 PO BOX 623
 PINEVILLE, WV
 US 24874
 Contact: ERIC BOGGS
 eric@moutaineerforest.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)

T:
F: