



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 2 - Beaver [ro3134392]
Machine Id
JOHN DEERE 848L 1DW848LBEKF697223
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (15 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0035991	LEC0027405	LEC0025729
Sample Date		Client Info		20 Dec 2022	14 Apr 2022	25 Jan 2022
Machine Age	hrs	Client Info		3883	3270	3007
Oil Age	hrs	Client Info		876	263	931
Filter Age	hrs	Client Info		1807	1194	931
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	9	14	27
Iron	ppm	ASTM D5185m	>200	12	10	24
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>7	0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Lead	ppm	ASTM D5185m	>45	0	<1	<1
Copper	ppm	ASTM D5185m	>225	1	2	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

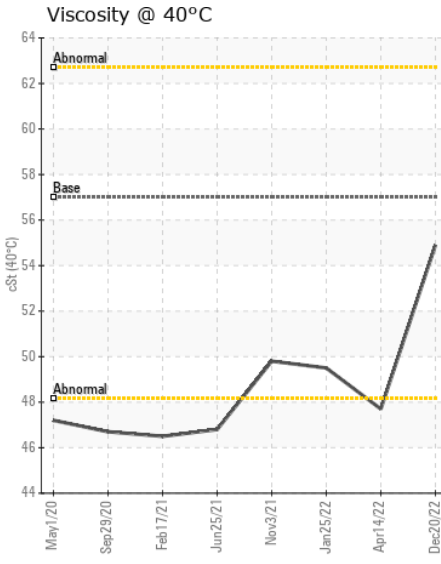
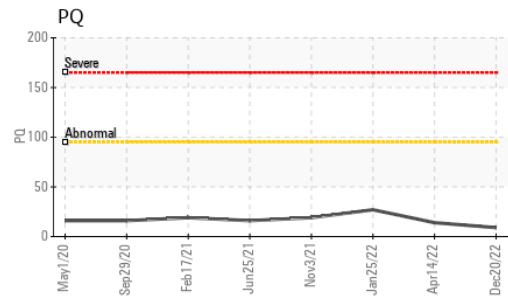
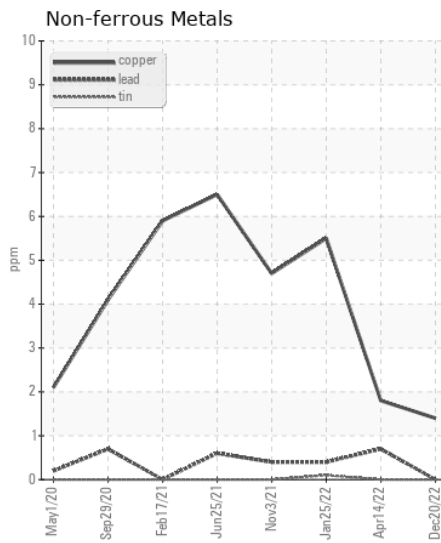
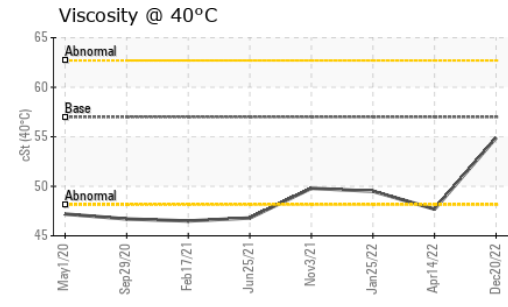
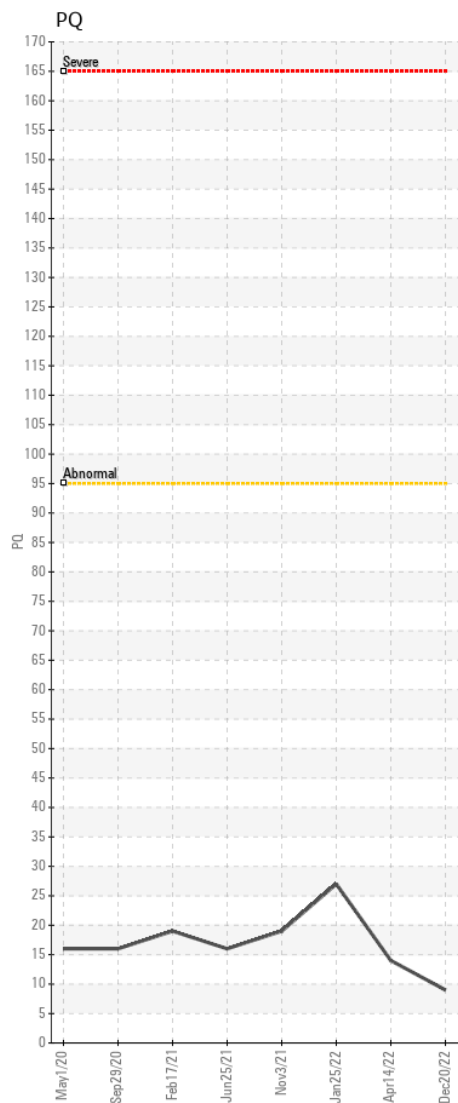
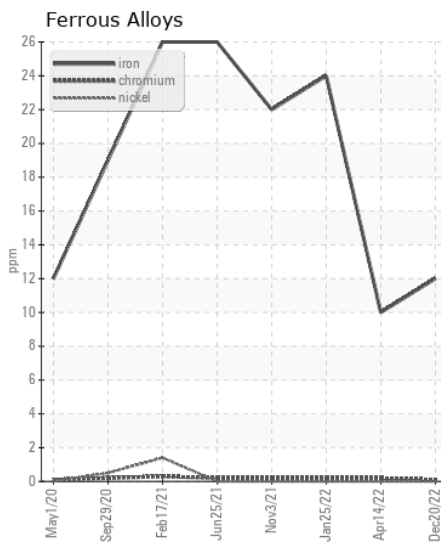
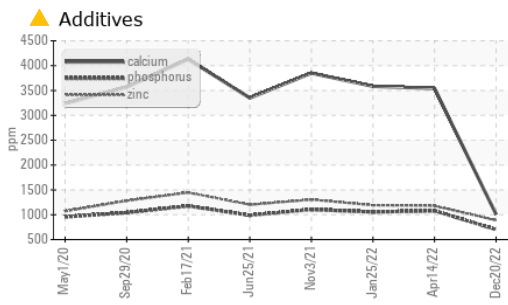
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	1	3	4
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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

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.

Sodium	ppm	ASTM D5185m		4	8	2
Boron	ppm	ASTM D5185m	6	1	0	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	4	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	▲ 28	107	102
Calcium	ppm	ASTM D5185m	3570	▲ 1007	3542	3584
Phosphorus	ppm	ASTM D5185m	1290	▲ 701	1079	1056
Zinc	ppm	ASTM D5185m	1640	887	1179	1191
Sulfur	ppm	ASTM D5185m		▲ 2204	3181	3351
Visc @ 40°C	cSt	ASTM D445	57.0	54.9	47.7	49.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0035991 **Received** : 23 Dec 2022
Lab Number : 05725023 **Diagnosed** : 28 Dec 2022
Unique Number : 10269604 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)