



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 6 - Ashland [152254]
Machine Id
JOHN DEERE 844K 28819 (S/N 1DW844KCLJF689430)
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051346	LEC0042661	LEC0042004
Sample Date		Client Info		02 Jul 2024	15 Jan 2024	25 Aug 2023
Machine Age	hrs	Client Info		11067	10131	9547
Oil Age	hrs	Client Info		2645	1709	1125
Filter Age	hrs	Client Info		2645	1709	1125
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	MARGINAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184		60	40	33
Iron	ppm	ASTM D5185m	>1501	166	82	75
Chromium	ppm	ASTM D5185m	>11	1	0	<1
Nickel	ppm	ASTM D5185m	>10	4	1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	2	<1	3
Lead	ppm	ASTM D5185m	>51	10	6	2
Copper	ppm	ASTM D5185m	>101	▲ 262	92	81
Tin	ppm	ASTM D5185m	>10	▲ 14	7	4
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

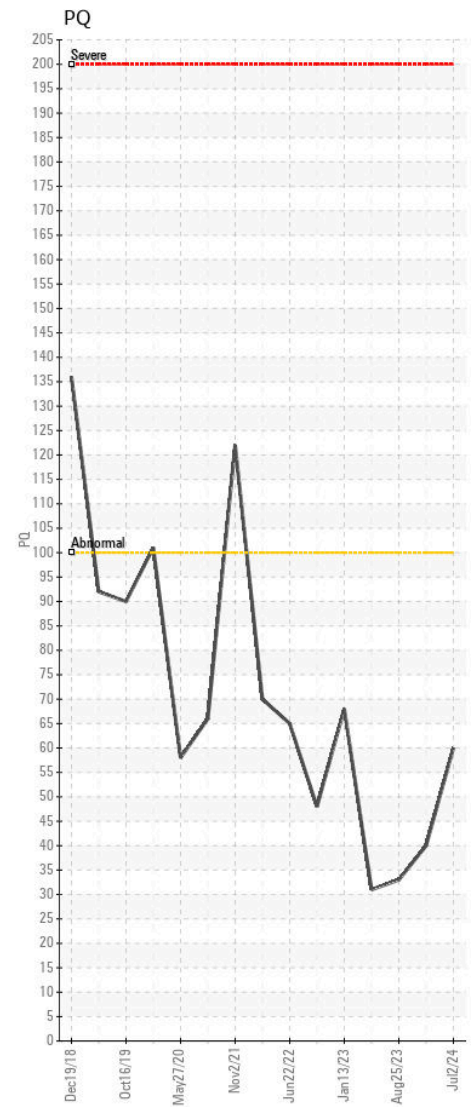
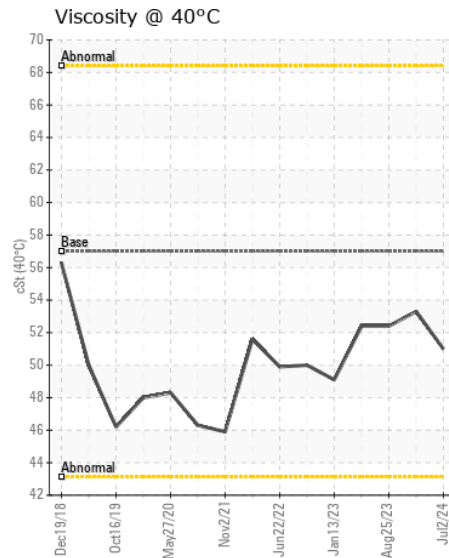
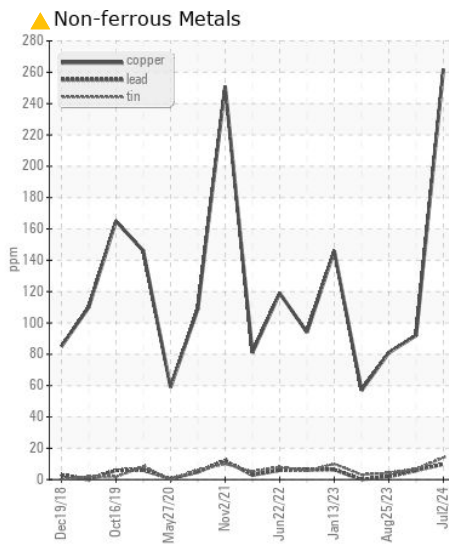
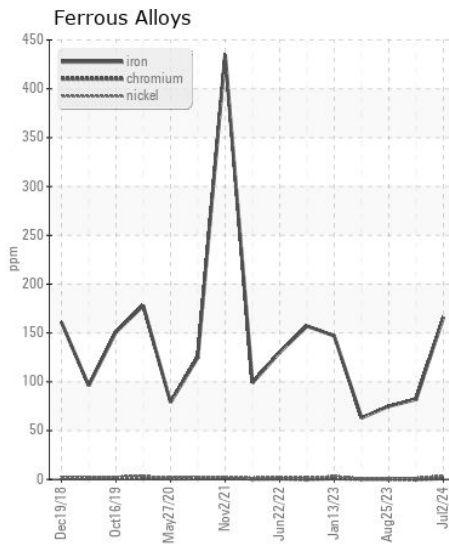
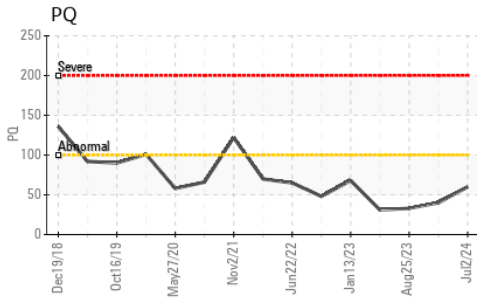
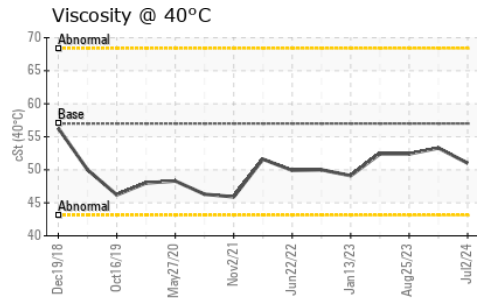
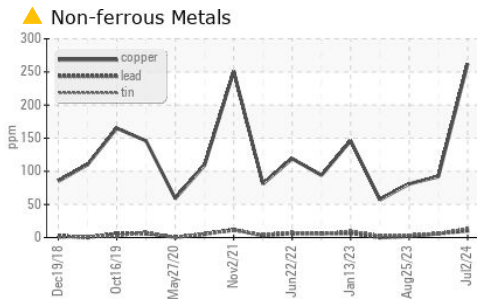
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	11	6	6
Potassium	ppm	ASTM D5185m	>20	0	0	0
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	0.2%	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	6	1	2
Boron	ppm	ASTM D5185m	6	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0
Manganese	ppm	ASTM D5185m		7	2	2
Magnesium	ppm	ASTM D5185m	145	101	106	104
Calcium	ppm	ASTM D5185m	3570	3764	3459	3648
Phosphorus	ppm	ASTM D5185m	1290	1084	1065	1017
Zinc	ppm	ASTM D5185m	1640	1239	1304	1249
Sulfur	ppm	ASTM D5185m		3880	3608	4108
Visc @ 40°C	cSt	ASTM D445	57.0	51.0	53.3	52.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051346 **Received** : 05 Jul 2024
Lab Number : 06228981 **Tested** : 08 Jul 2024
Unique Number : 11112474 **Diagnosed** : 08 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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)

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