



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 5 - Cross Lanes [142403]
Machine Id
JOHN DEERE 544P 1DW544PAVNLZ13715
Component
Rear Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041930	LEC0037443	LEC0037249
Sample Date		Client Info		25 Aug 2023	25 Apr 2023	05 Dec 2022
Machine Age	hrs	Client Info		1585	1236	729
Oil Age	hrs	Client Info		1585	1236	729
Filter Age	hrs	Client Info		1585	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		128	129	127
Iron	ppm	ASTM D5185m	>750	243	269	207
Chromium	ppm	ASTM D5185m	>11	2	2	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	5	5	3
Lead	ppm	ASTM D5185m	>49	15	11	15
Copper	ppm	ASTM D5185m	>101	24	23	24
Tin	ppm	ASTM D5185m	>10	2	1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

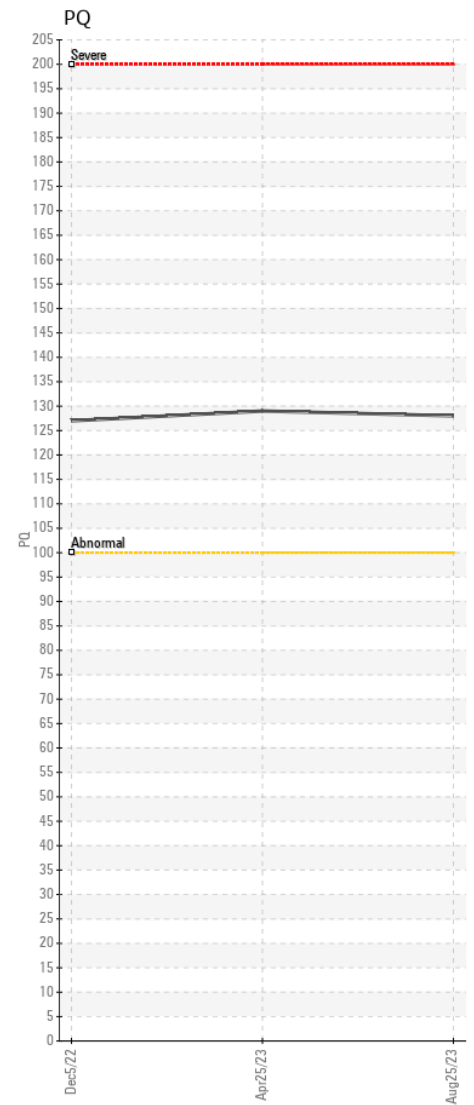
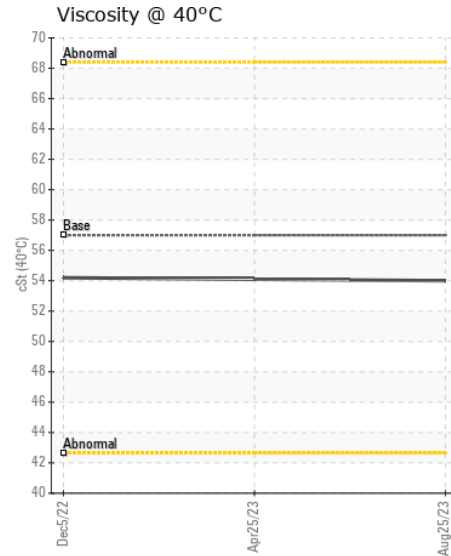
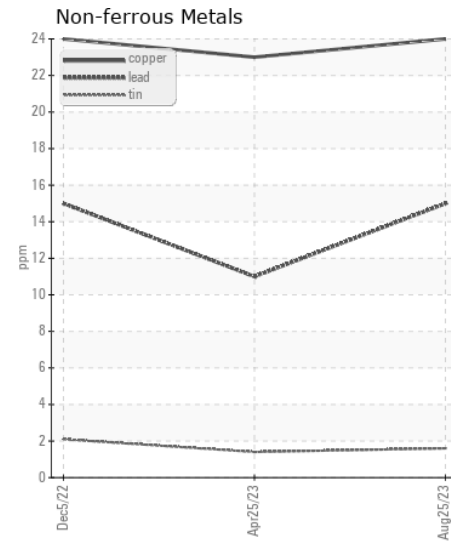
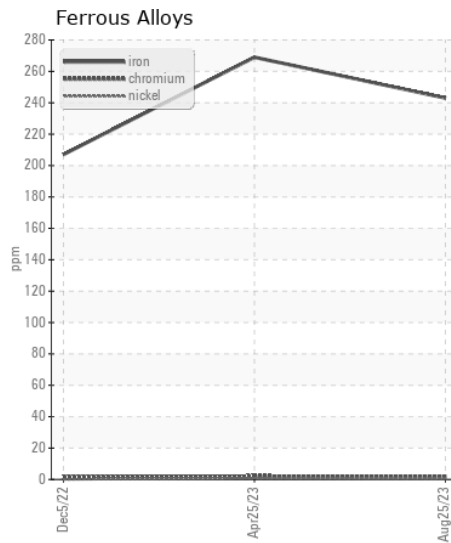
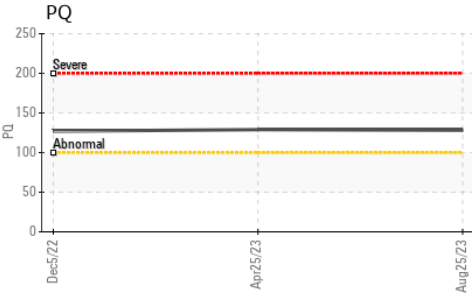
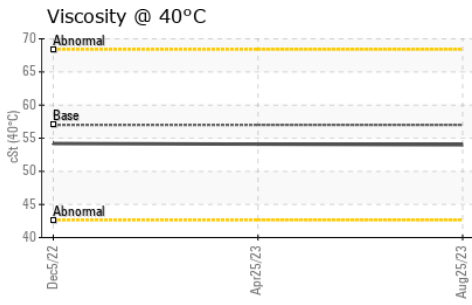
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	19	32	20
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
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	5	5	6
Boron	ppm	ASTM D5185m	6	0	2	3
Barium	ppm	ASTM D5185m	0	3	0	4
Molybdenum	ppm	ASTM D5185m	0	0	1	1
Manganese	ppm	ASTM D5185m		8	9	10
Magnesium	ppm	ASTM D5185m	145	106	105	101
Calcium	ppm	ASTM D5185m	3570	3520	3321	3542
Phosphorus	ppm	ASTM D5185m	1290	1041	1009	1035
Zinc	ppm	ASTM D5185m	1640	1250	1254	1196
Sulfur	ppm	ASTM D5185m		4331	3928	4146
Visc @ 40°C	cSt	ASTM D445	57.0	54.0	54.1	54.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041930 **Received** : 29 Aug 2023
Lab Number : 05937547 **Tested** : 30 Aug 2023
Unique Number : 10622818 **Diagnosed** : 31 Aug 2023 - Don Baldrige
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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