



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 5 - Cross Lanes [151106]
Machine Id
JOHN DEERE 544P 1DW544PAVNLZ13715
Component
Front 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		LEC0047998	LEC0041929	LEC0037444
Sample Date		Client Info		22 May 2024	25 Aug 2023	25 Apr 2023
Machine Age	hrs	Client Info		2008	1585	1236
Oil Age	hrs	Client Info		2008	1585	1236
Filter Age	hrs	Client Info		2008	1585	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		64	90	131
Iron	ppm	ASTM D5185m	>750	168	162	182
Chromium	ppm	ASTM D5185m	>11	2	2	2
Nickel	ppm	ASTM D5185m	>10	2	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	2	4	3
Lead	ppm	ASTM D5185m	>49	17	12	8
Copper	ppm	ASTM D5185m	>101	23	19	17
Tin	ppm	ASTM D5185m	>10	1	1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

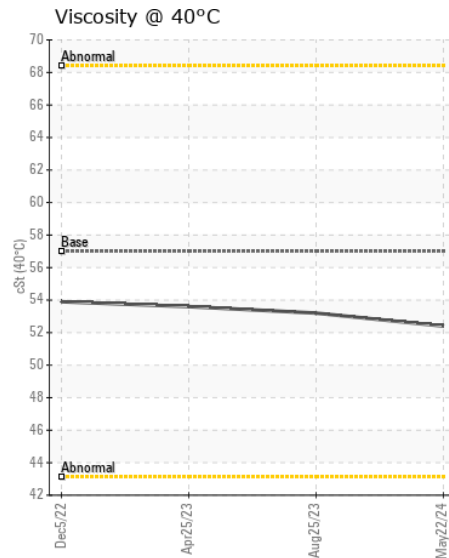
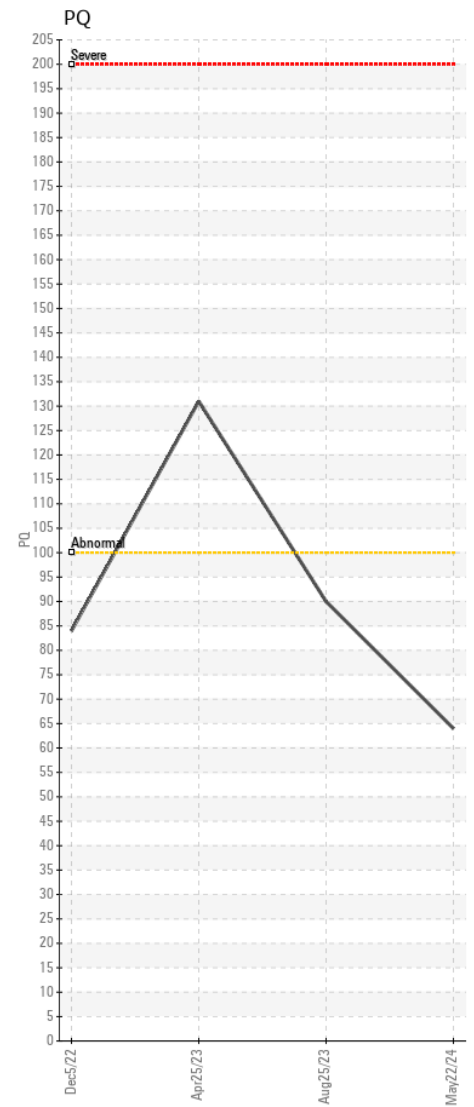
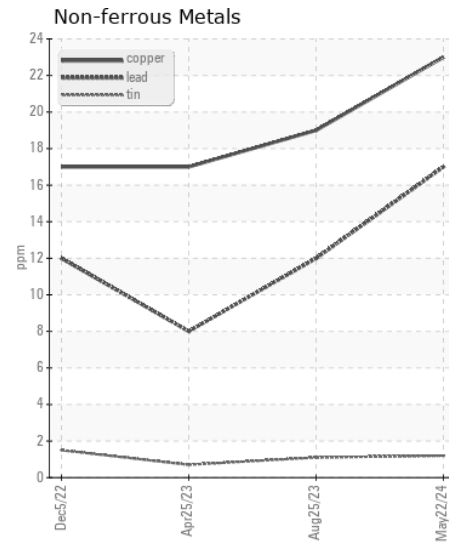
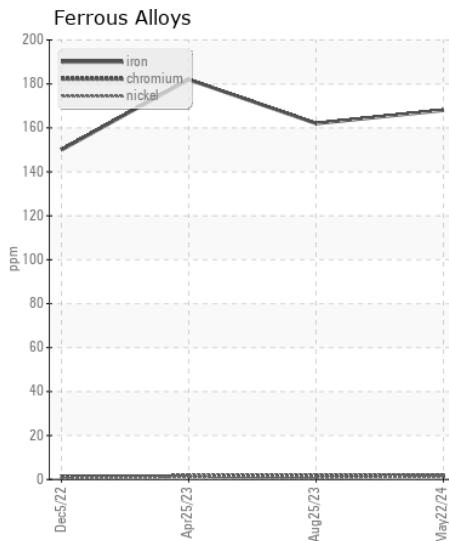
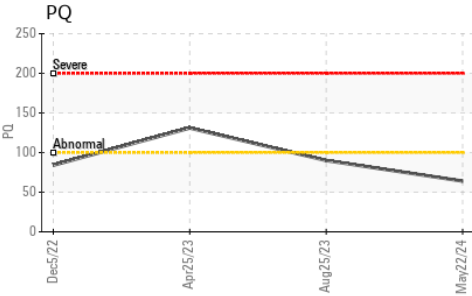
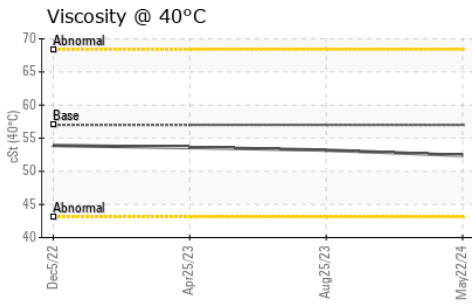
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	15	16	19
Potassium	ppm	ASTM D5185m	>20	3	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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	4	5	4
Boron	ppm	ASTM D5185m	6	2	0	<1
Barium	ppm	ASTM D5185m	0	2	3	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	1
Manganese	ppm	ASTM D5185m		10	12	14
Magnesium	ppm	ASTM D5185m	145	101	103	103
Calcium	ppm	ASTM D5185m	3570	3501	3514	3311
Phosphorus	ppm	ASTM D5185m	1290	1041	1042	1000
Zinc	ppm	ASTM D5185m	1640	1262	1244	1241
Sulfur	ppm	ASTM D5185m		3922	4546	3782
Visc @ 40°C	cSt	ASTM D445	57.0	52.4	53.2	53.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047998 **Received** : 28 May 2024
Lab Number : 06192500 **Tested** : 30 May 2024
Unique Number : 11049252 **Diagnosed** : 30 May 2024 - Wes Davis
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)

T:
F: (740)373-5570