



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 624P 1DW624PAVPLX20011
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

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		LEC0050136	LEC0048530	LEC0044830
Sample Date		Client Info		19 Jun 2024	05 Apr 2024	16 Jan 2024
Machine Age	hrs	Client Info		1420	960	490
Oil Age	hrs	Client Info		1420	960	490
Filter Age	hrs	Client Info		0	960	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184		28	22	17
Iron	ppm	ASTM D5185m	>500	93	98	49
Chromium	ppm	ASTM D5185m	>10	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	2
Lead	ppm	ASTM D5185m	>25	▲ 63	▲ 40	7
Copper	ppm	ASTM D5185m	>100	▲ 66	▲ 51	34
Tin	ppm	ASTM D5185m	>10	<1	2	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

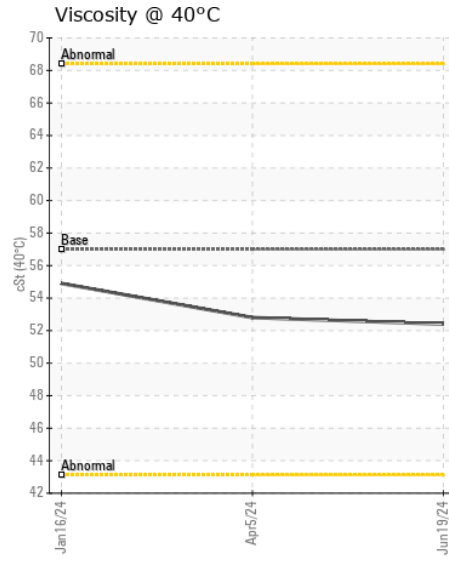
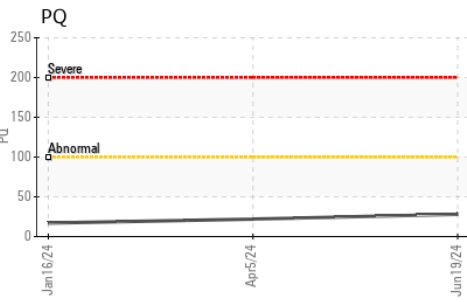
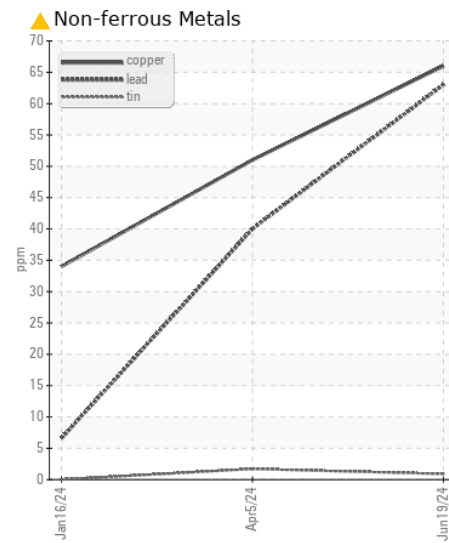
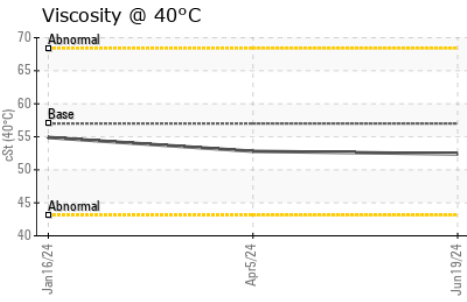
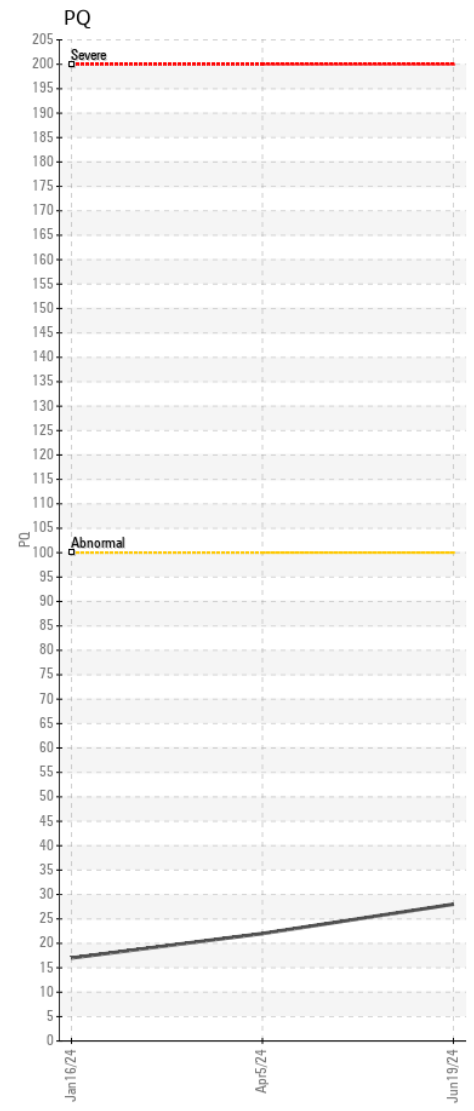
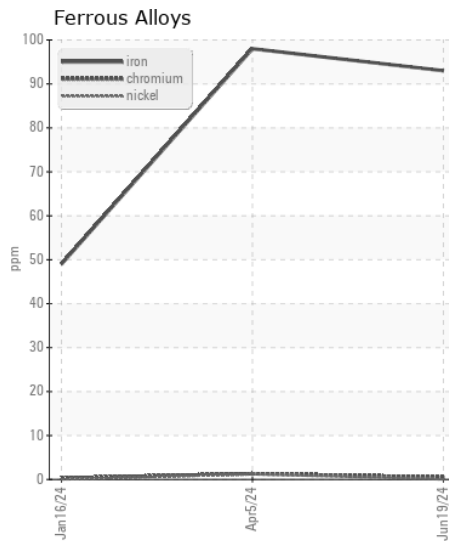
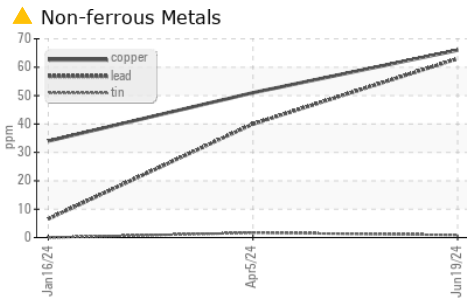
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	6	4
Potassium	ppm	ASTM D5185m	>20	2	4	3
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	4	0
Boron	ppm	ASTM D5185m	6	1	0	0
Barium	ppm	ASTM D5185m	0	3	3	5
Molybdenum	ppm	ASTM D5185m	0	<1	1	0
Manganese	ppm	ASTM D5185m		3	4	2
Magnesium	ppm	ASTM D5185m	145	98	98	104
Calcium	ppm	ASTM D5185m	3570	3566	3491	3420
Phosphorus	ppm	ASTM D5185m	1290	1132	1128	1011
Zinc	ppm	ASTM D5185m	1640	1273	1289	1313
Sulfur	ppm	ASTM D5185m		4399	4165	3861
Visc @ 40°C	cSt	ASTM D445	57.0	52.4	52.8	54.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050136 **Received** : 21 Jun 2024
Lab Number : 06217092 **Tested** : 24 Jun 2024
Unique Number : 11089956 **Diagnosed** : 24 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

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

T: (740)373-5570