



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 5 - Cross Lanes [142403]
Machine Id
JOHN DEERE 544P 1DW544PAVNLZ13715
Component
Brake
Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 Oz)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041928	LEC0037442	LEC0037246
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	729
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		23	26	22
Iron	ppm	ASTM D5185m	>350	29	64	45
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>8	4	2	2
Lead	ppm	ASTM D5185m	>10	1	4	8
Copper	ppm	ASTM D5185m	>150	<1	2	2
Tin	ppm	ASTM D5185m	>5	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

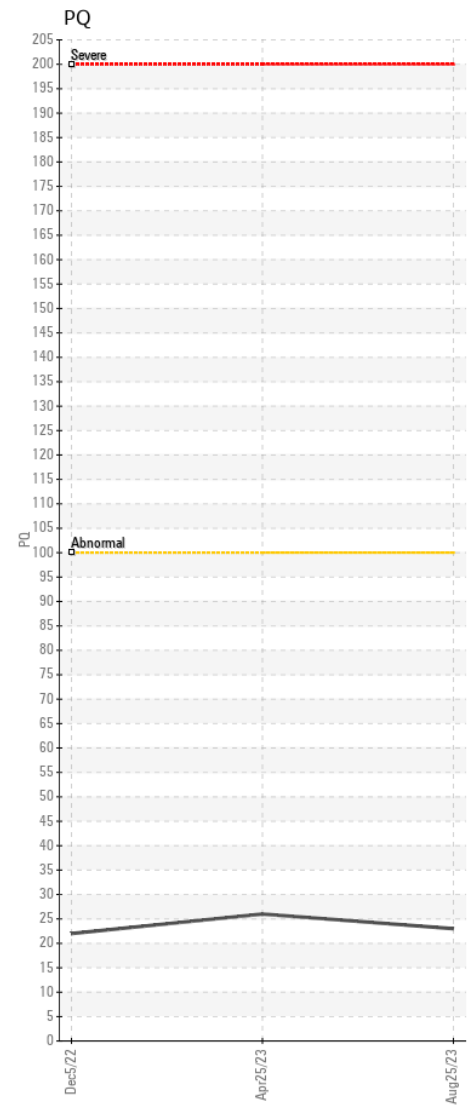
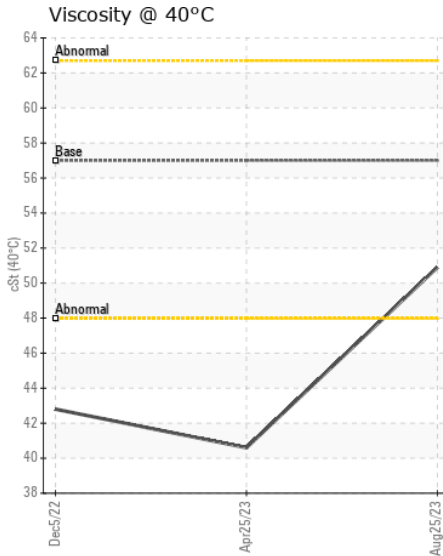
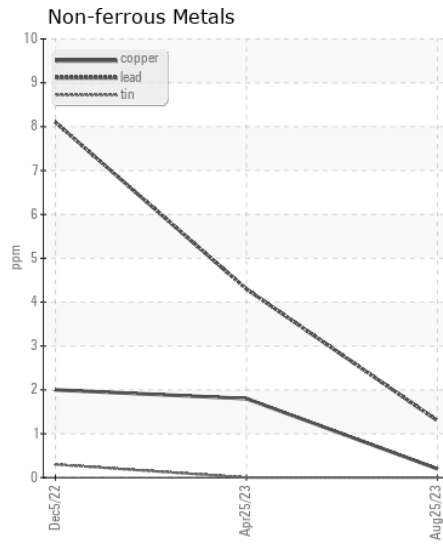
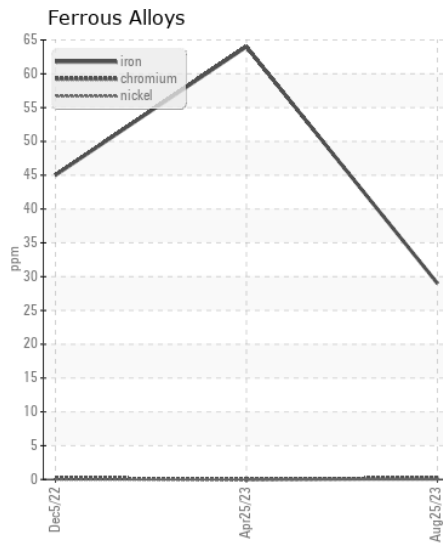
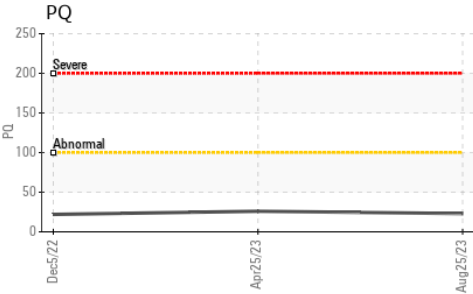
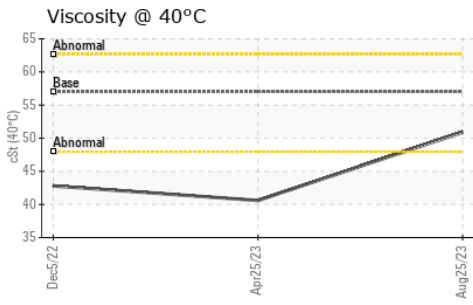
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	122	283	294
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	8	10
Boron	ppm	ASTM D5185m	6	38	131	149
Barium	ppm	ASTM D5185m	0	4	0	2
Molybdenum	ppm	ASTM D5185m	0	60	312	331
Manganese	ppm	ASTM D5185m		<1	3	2
Magnesium	ppm	ASTM D5185m	145	167	486	492
Calcium	ppm	ASTM D5185m	3570	3009	1388	1372
Phosphorus	ppm	ASTM D5185m	1290	943	640	692
Zinc	ppm	ASTM D5185m	1640	1104	767	730
Sulfur	ppm	ASTM D5185m		4294	2322	2608
Visc @ 40°C	cSt	ASTM D445	57.0	50.9	40.6	42.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041928 **Received** : 29 Aug 2023
Lab Number : 05937548 **Tested** : 30 Aug 2023
Unique Number : 10622819 **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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