



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta [143265]
Machine Id
JOHN DEERE 624L 1DW624LZEKF694096
Component
Front Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0043538	LEC0041046	LEC0039116
Sample Date		Client Info		20 Sep 2023	27 Jun 2023	21 Apr 2023
Machine Age	hrs	Client Info		5903	5352	4923
Oil Age	hrs	Client Info		1529	978	549
Filter Age	hrs	Client Info		551	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		12	13	10
Iron	ppm	ASTM D5185m	>500	37	35	31
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	0	<1
Lead	ppm	ASTM D5185m	>25	15	11	7
Copper	ppm	ASTM D5185m	>100	15	10	9
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

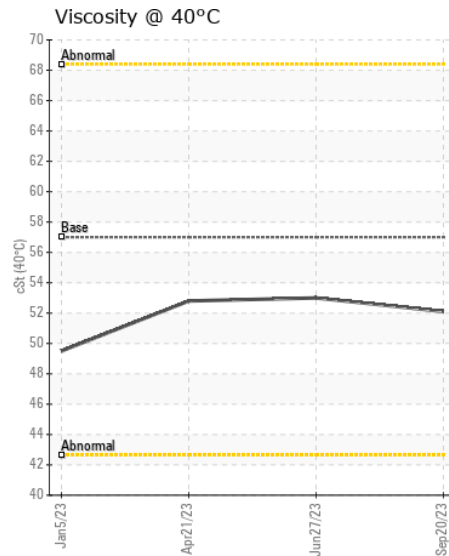
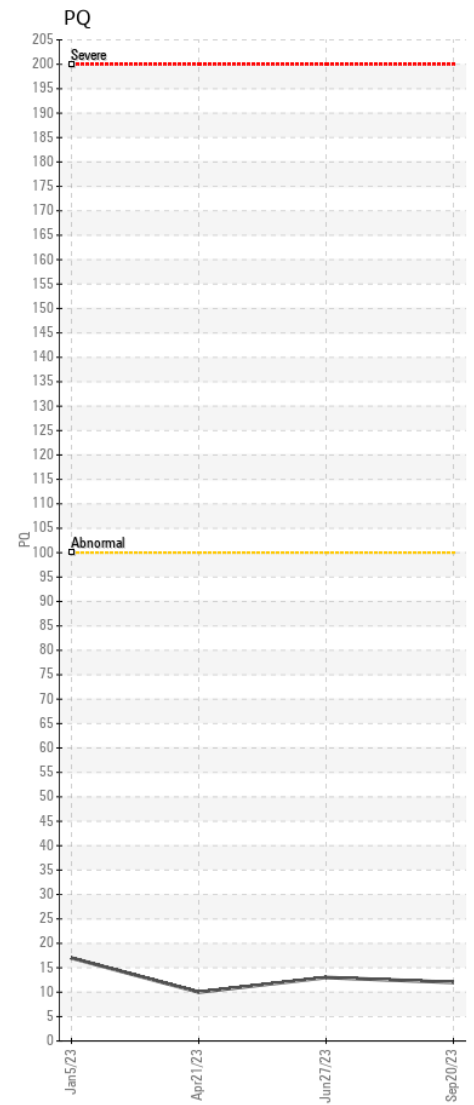
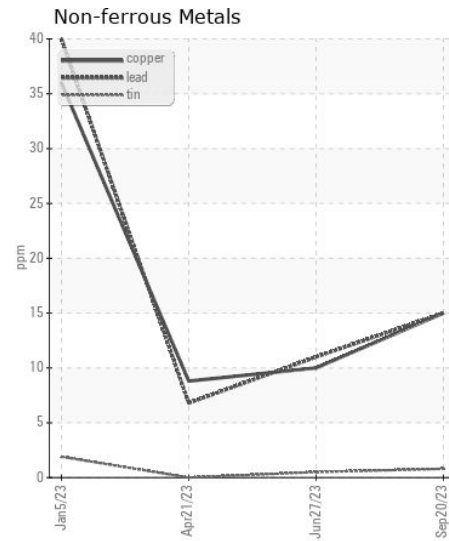
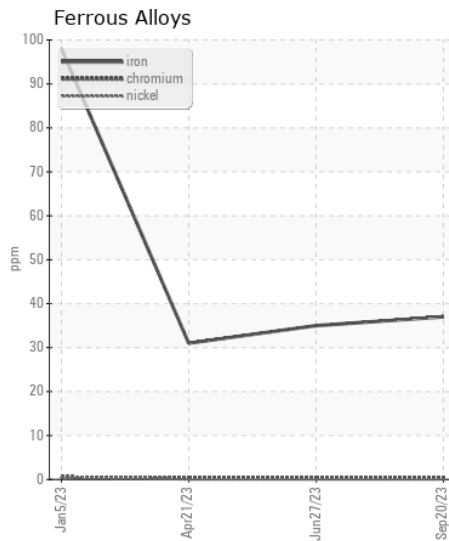
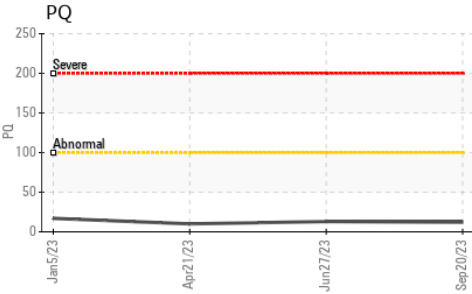
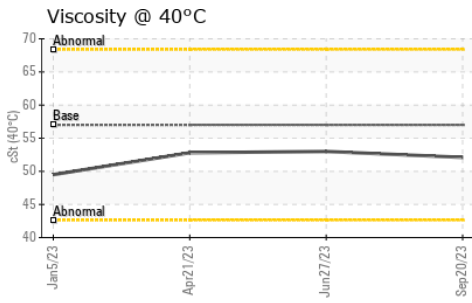
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	3	3
Potassium	ppm	ASTM D5185m	>20	0	<1	0
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	3	4
Boron	ppm	ASTM D5185m	6	0	1	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		2	<1	1
Magnesium	ppm	ASTM D5185m	145	82	90	89
Calcium	ppm	ASTM D5185m	3570	3162	3405	3242
Phosphorus	ppm	ASTM D5185m	1290	953	1040	952
Zinc	ppm	ASTM D5185m	1640	1056	1244	1119
Sulfur	ppm	ASTM D5185m		3665	4541	3868
Visc @ 40°C	cSt	ASTM D445	57.0	52.1	53.0	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0043538 **Received** : 25 Sep 2023
Lab Number : 05959979 **Tested** : 26 Sep 2023
Unique Number : 10661192 **Diagnosed** : 26 Sep 2023 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)