



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W47911]

Machine Id
JOHN DEERE 624L 1DW624LTLLF708606

Component
Rear Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225498	JR0211032	JR0203334
Sample Date		Client Info		29 Jun 2024	20 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		8614	8049	7517
Oil Age	hrs	Client Info		565	2000	1500
Filter Age	hrs	Client Info		565	1000	475
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		11	11	11
Iron	ppm	ASTM D5185m	>500	54	30	24
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
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	4	2	<1
Lead	ppm	ASTM D5185m	>25	7	22	20
Copper	ppm	ASTM D5185m	>100	3	10	7
Tin	ppm	ASTM D5185m	>10	0	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

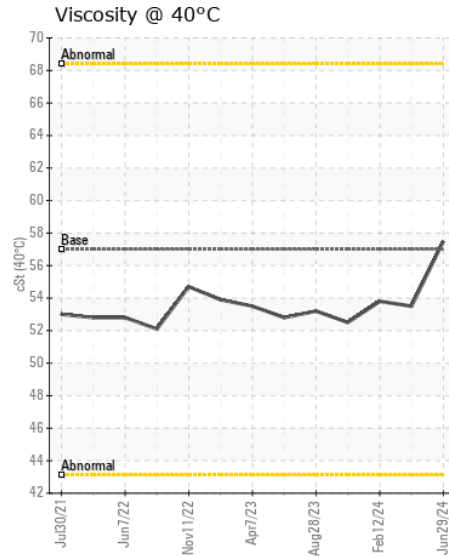
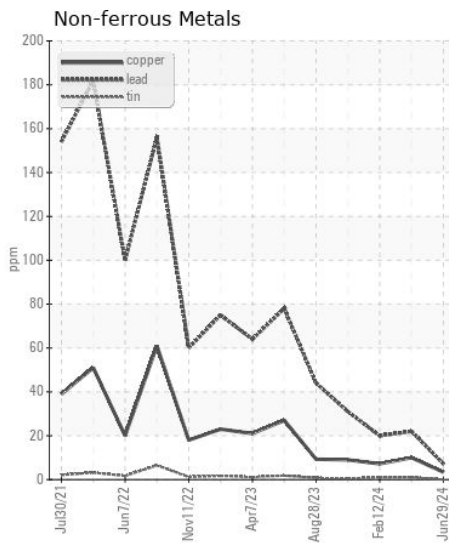
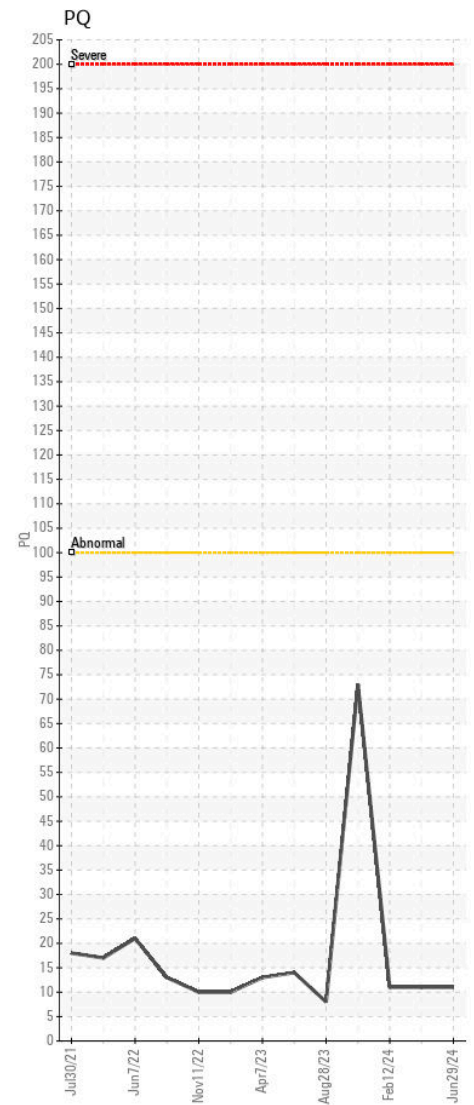
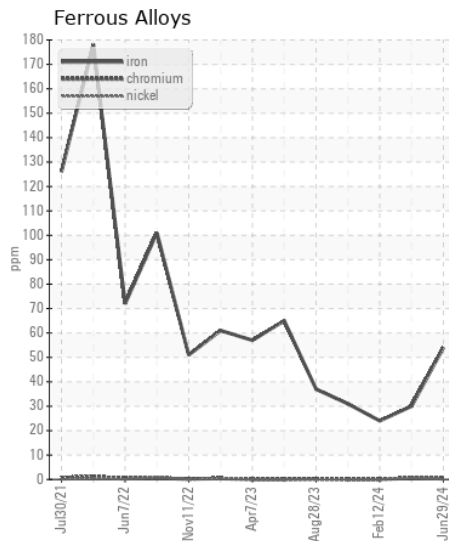
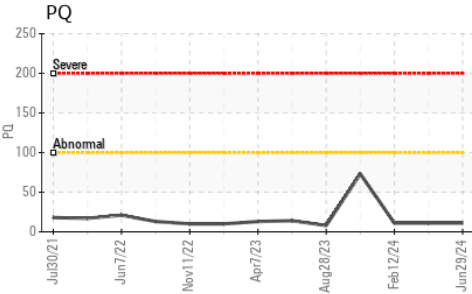
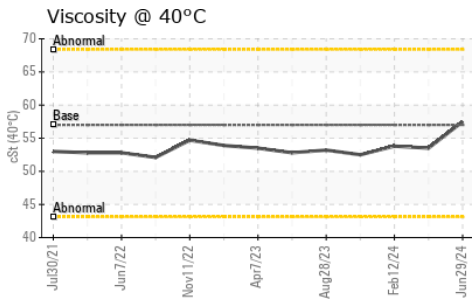
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	15	6	5
Potassium	ppm	ASTM D5185m	>20	2	2	<1
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		0	2	1
Boron	ppm	ASTM D5185m	6	19	11	6
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	8	9	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	115	157	108
Calcium	ppm	ASTM D5185m	3570	3063	4301	3072
Phosphorus	ppm	ASTM D5185m	1290	1115	1345	1019
Zinc	ppm	ASTM D5185m	1640	1218	1619	1202
Sulfur	ppm	ASTM D5185m		5108	4811	3488
Visc @ 40°C	cSt	ASTM D445	57.0	57.5	53.5	53.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225498 **Received** : 02 Jul 2024
Lab Number : 06226523 **Tested** : 03 Jul 2024
Unique Number : 11110016 **Diagnosed** : 03 Jul 2024 - Wes Davis
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)