



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L 1DW844LXEKF697338

Component
Rear Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225372	JR0214747	JR0154299
Sample Date		Client Info		08 Jul 2024	01 May 2024	24 Oct 2023
Machine Age	hrs	Client Info		8488	7980	7483
Oil Age	hrs	Client Info		508	6458	1500
Filter Age	hrs	Client Info		0	0	414
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		33	37	30
Iron	ppm	ASTM D5185m	>500	79	100	76
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	1	<1
Lead	ppm	ASTM D5185m	>25	6	10	13
Copper	ppm	ASTM D5185m	>100	135	223	▲ 179
Tin	ppm	ASTM D5185m	>10	<1	6	5
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

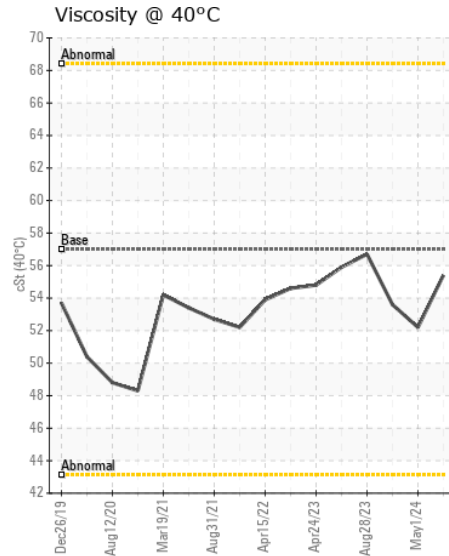
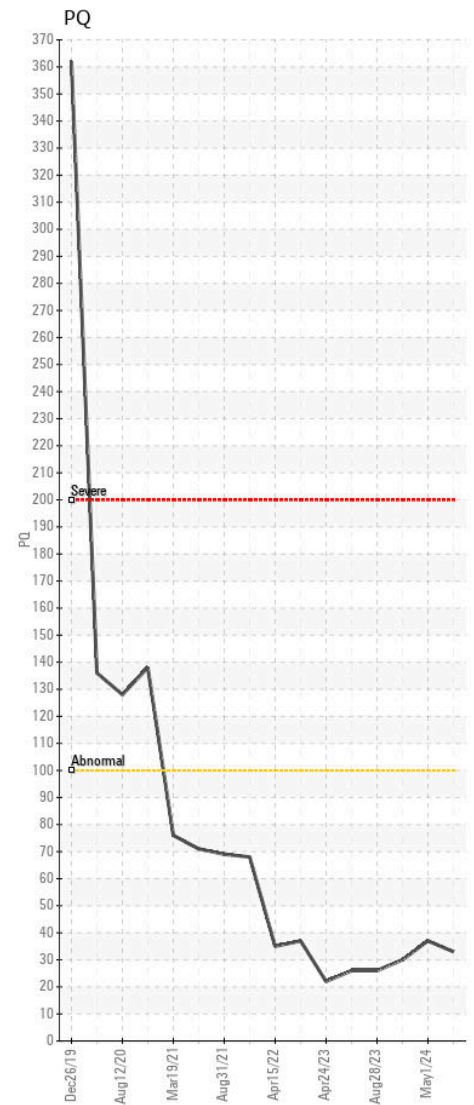
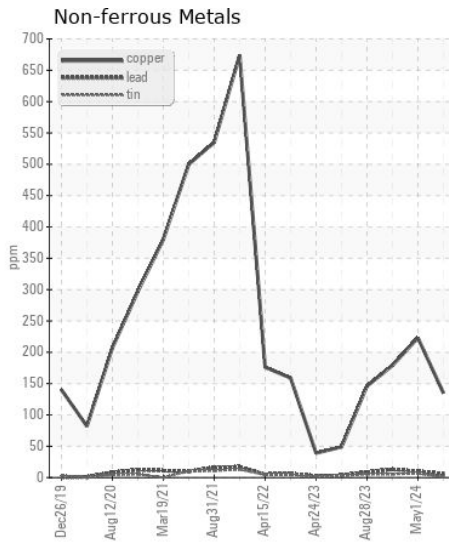
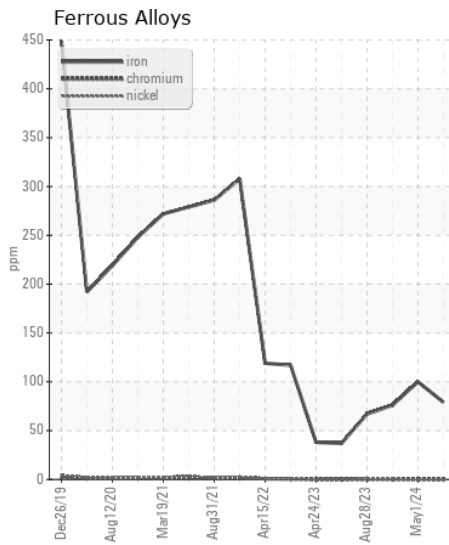
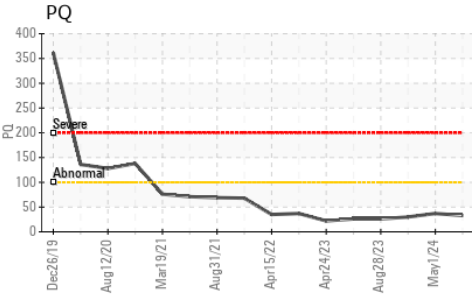
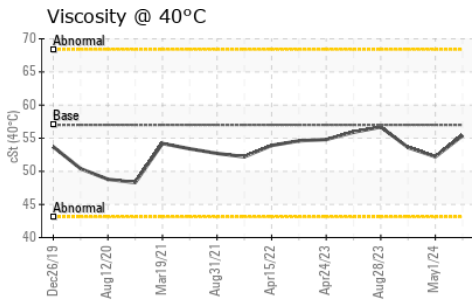
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	10	10
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		2	1	2
Boron	ppm	ASTM D5185m	6	10	9	8
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	8	5	6
Manganese	ppm	ASTM D5185m		1	4	2
Magnesium	ppm	ASTM D5185m	145	121	104	101
Calcium	ppm	ASTM D5185m	3570	3431	3294	3094
Phosphorus	ppm	ASTM D5185m	1290	1056	1019	908
Zinc	ppm	ASTM D5185m	1640	1156	1156	1231
Sulfur	ppm	ASTM D5185m		3976	4266	3271
Visc @ 40°C	cSt	ASTM D445	57.0	55.4	52.2	53.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225372 **Received** : 09 Jul 2024
Lab Number : 06231759 **Tested** : 10 Jul 2024
Unique Number : 11115252 **Diagnosed** : 10 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)