



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L AH 1DW844LAEML712419

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		JR0212628	JR0202220	JR0197985
Sample Date		Client Info		29 May 2024	09 Feb 2024	08 Dec 2023
Machine Age	hrs	Client Info		9003	8036	7540
Oil Age	hrs	Client Info		0	7045	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	None
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		66	106	80
Iron	ppm	ASTM D5185m	>500	108	75	127
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	4	<1
Lead	ppm	ASTM D5185m	>25	4	4	8
Copper	ppm	ASTM D5185m	>100	65	55	80
Tin	ppm	ASTM D5185m	>10	3	<1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

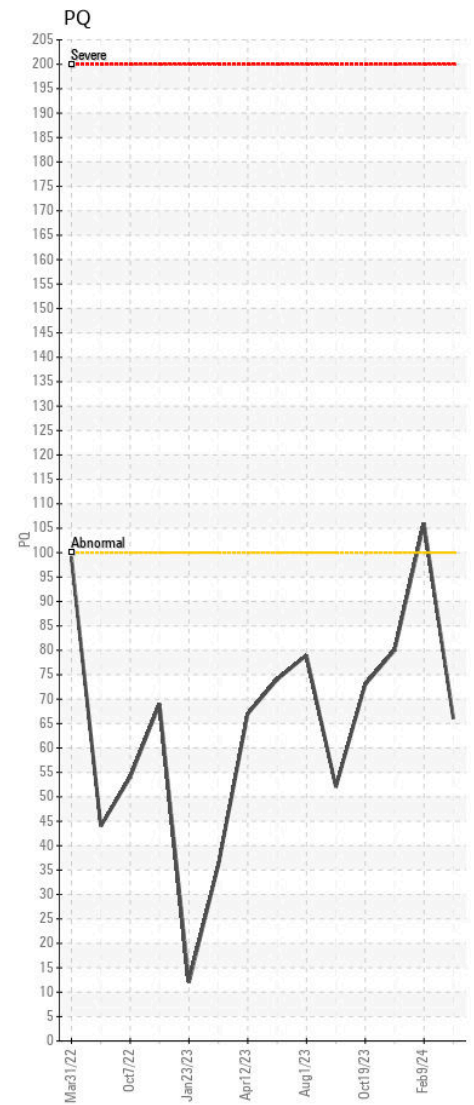
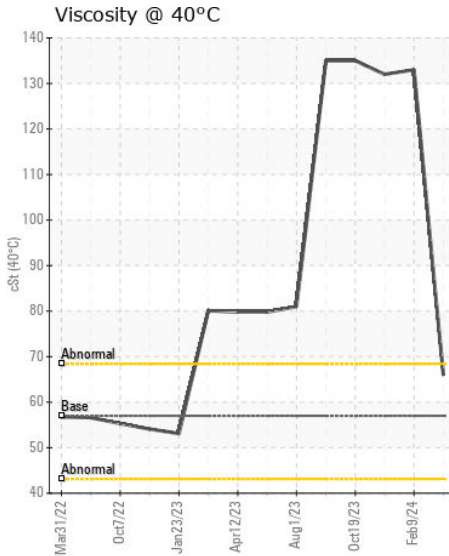
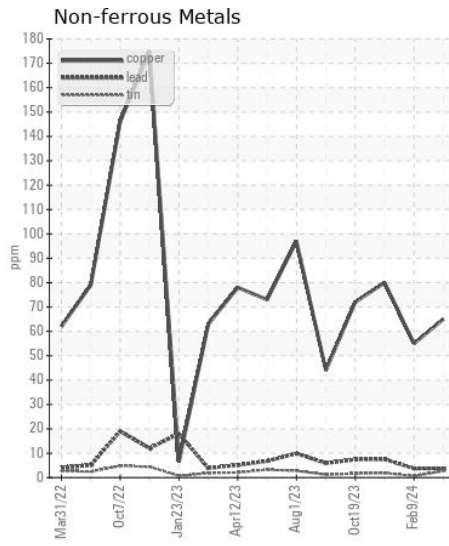
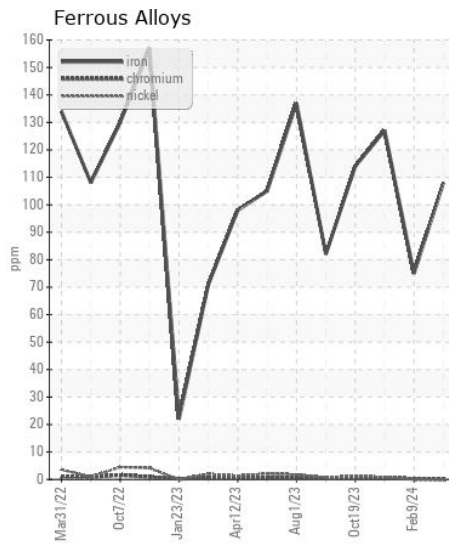
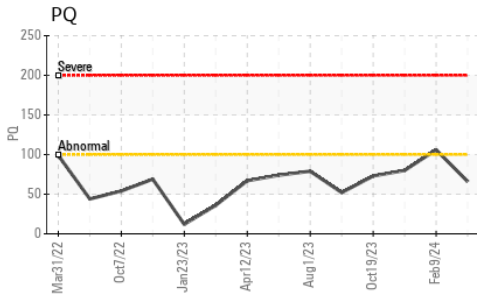
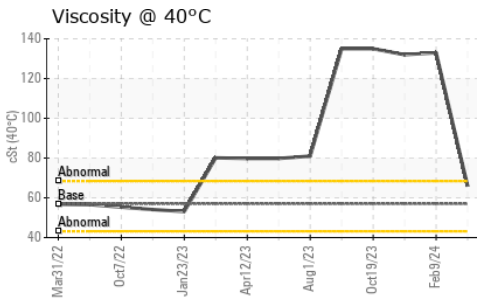
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	17	8	17
Potassium	ppm	ASTM D5185m	>20	0	3	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		1	11	0
Boron	ppm	ASTM D5185m	6	3	2	4
Barium	ppm	ASTM D5185m	0	<1	9	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	1
Manganese	ppm	ASTM D5185m		3	<1	3
Magnesium	ppm	ASTM D5185m	145	92	16	32
Calcium	ppm	ASTM D5185m	3570	3525	1313	2960
Phosphorus	ppm	ASTM D5185m	1290	1087	415	865
Zinc	ppm	ASTM D5185m	1640	1248	511	1071
Sulfur	ppm	ASTM D5185m		4681	2714	5448
Visc @ 40°C	cSt	ASTM D445	57.0	65.9	133	132



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212628 **Received** : 30 May 2024
Lab Number : 06195689 **Tested** : 31 May 2024
Unique Number : 11057812 **Diagnosed** : 31 May 2024 - Wes Davis
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)

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