



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L AH 1DW844LAEML712419

Component
Brake
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		JR0212491	JR0202816	JR0181618
Sample Date		Client Info		29 May 2024	09 Feb 2024	01 Aug 2023
Machine Age	hrs	Client Info		9003	8036	6079
Oil Age	hrs	Client Info		0	1957	486
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		48	29	34
Iron	ppm	ASTM D5185m	>350	103	74	106
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>8	<1	1	2
Lead	ppm	ASTM D5185m	>10	4	0	4
Copper	ppm	ASTM D5185m	>150	70	6	<1
Tin	ppm	ASTM D5185m	>5	3	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

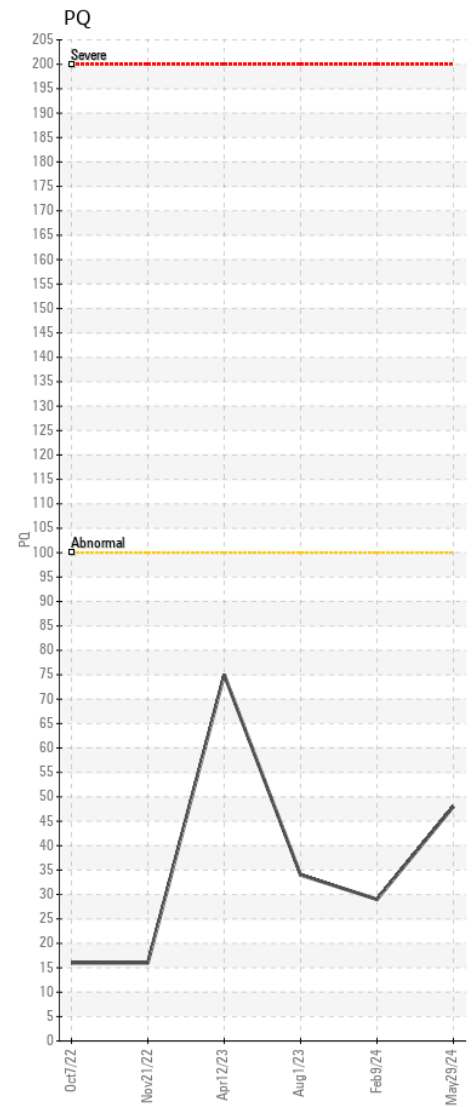
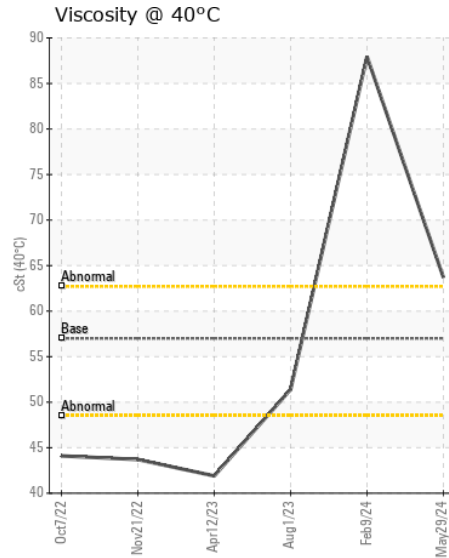
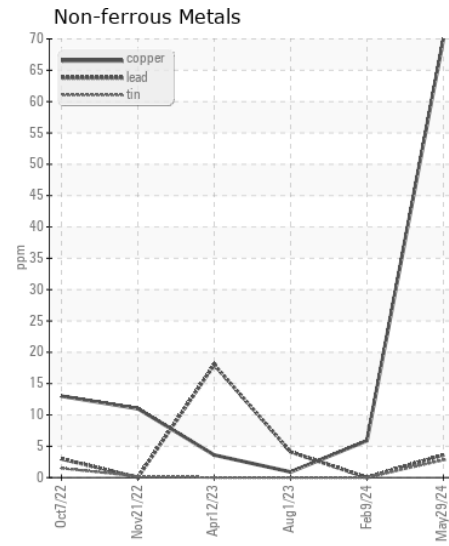
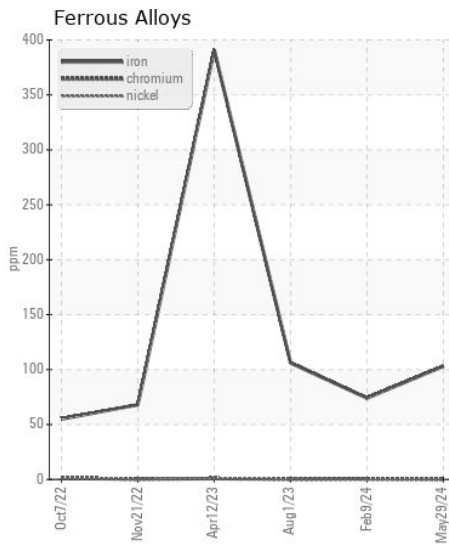
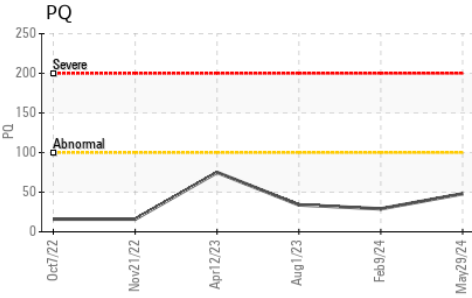
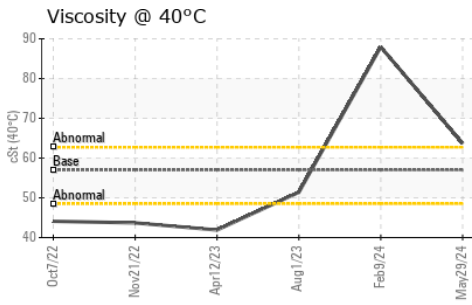
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	18	10	195
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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		1	2	4
Boron	ppm	ASTM D5185m	6	3	5	33
Barium	ppm	ASTM D5185m	0	<1	11	0
Molybdenum	ppm	ASTM D5185m	0	1	3	78
Manganese	ppm	ASTM D5185m		3	<1	1
Magnesium	ppm	ASTM D5185m	145	93	39	201
Calcium	ppm	ASTM D5185m	3570	3466	2417	2713
Phosphorus	ppm	ASTM D5185m	1290	1070	777	895
Zinc	ppm	ASTM D5185m	1640	1248	919	1058
Sulfur	ppm	ASTM D5185m		4517	3192	3912
Visc @ 40°C	cSt	ASTM D445	57.0	63.7	87.95	51.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212491 **Received** : 30 May 2024
Lab Number : 06195691 **Tested** : 31 May 2024
Unique Number : 11057814 **Diagnosed** : 01 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

GARNER - MARTIN MARIETTA
 1111 E GARNER RD
 GARNER, NC
 US 27529
 Contact: JASON GILMORE
 jason.gilmore@martinmarietta.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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F: