



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 848L 1DW848LBJNF713318
 Component
Brake
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214140	JR0176513	JR0136678
Sample Date		Client Info		24 Apr 2024	18 Jul 2023	18 Jul 2022
Machine Age	hrs	Client Info		1983	1538	533
Oil Age	hrs	Client Info		1983	538	533
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		64	54	85
Iron	ppm	ASTM D5185m	>350	226	184	285
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>8	1	<1	2
Lead	ppm	ASTM D5185m	>10	<1	2	6
Copper	ppm	ASTM D5185m	>150	0	1	4
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

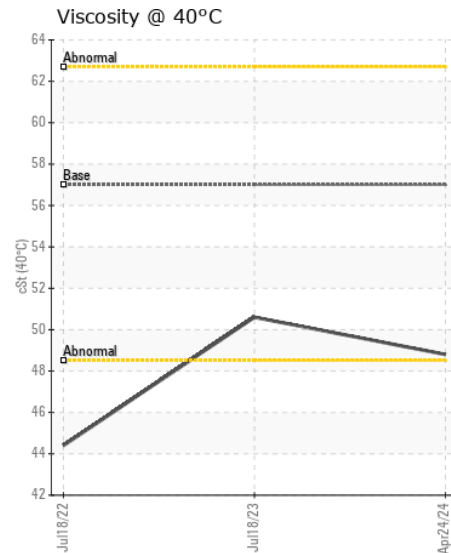
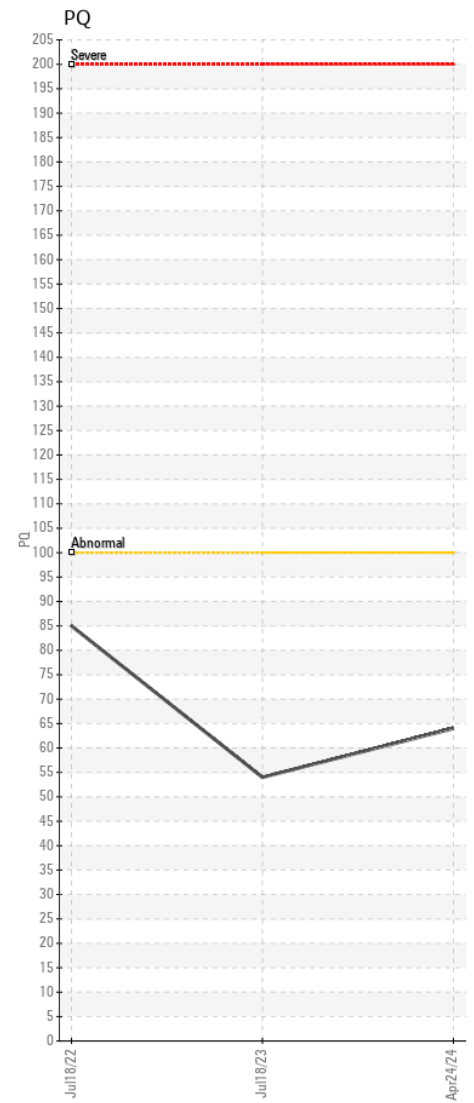
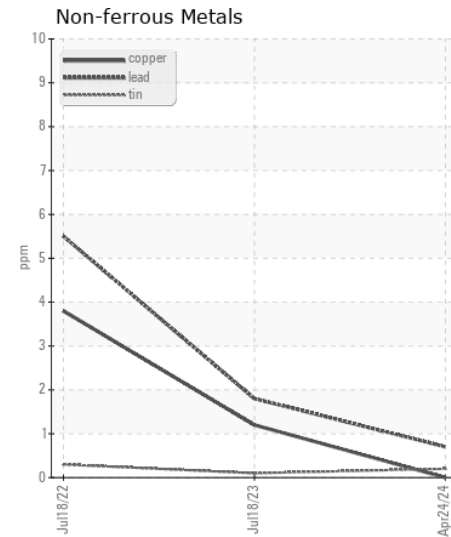
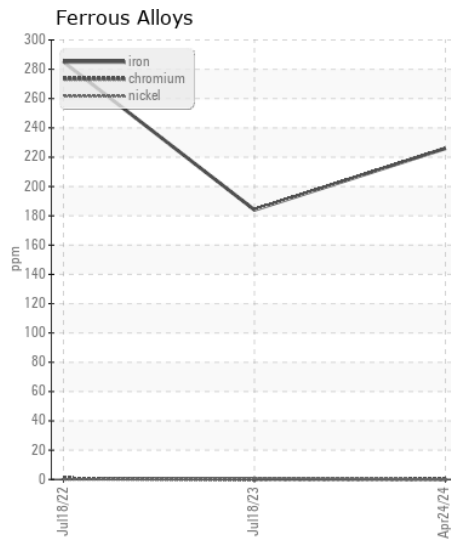
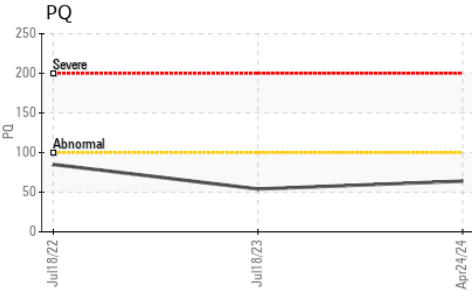
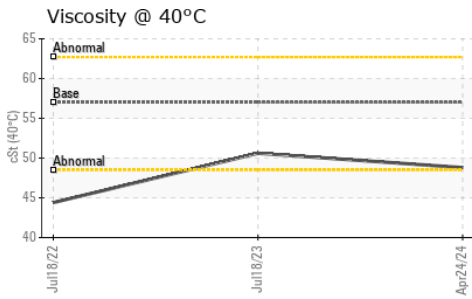
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	389	▲ 451	▲ 575
Potassium	ppm	ASTM D5185m	>20	2	4	6
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		36	36	38
Boron	ppm	ASTM D5185m	6	50	48	123
Barium	ppm	ASTM D5185m	0	<1	0	6
Molybdenum	ppm	ASTM D5185m	0	139	143	392
Manganese	ppm	ASTM D5185m		3	2	4
Magnesium	ppm	ASTM D5185m	145	218	219	472
Calcium	ppm	ASTM D5185m	3570	2883	2830	1286
Phosphorus	ppm	ASTM D5185m	1290	1005	914	691
Zinc	ppm	ASTM D5185m	1640	1076	1058	829
Sulfur	ppm	ASTM D5185m		3960	3692	3001
Visc @ 40°C	cSt	ASTM D445	57.0	48.8	50.6	44.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0214140

Lab Number : 06160664

Unique Number : 10996087

Test Package : CONST (Additional Tests: PQ)

Received : 25 Apr 2024

Tested : 26 Apr 2024

Diagnosed : 27 Apr 2024 - Don Baldrige

JRE - NEW BERN

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC

US 28562

Contact: NEW BERN SHOP

nick.etherdridge@jamesriverequipment.com;canastasio@wearcheckusa.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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