



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700L 1T0700LXLNF414526
Component
Right Final Drive
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		JR0218897	JR0165872	JR0147304
Sample Date		Client Info		01 Jul 2024	03 May 2023	28 Sep 2022
Machine Age	hrs	Client Info		0	1944	940
Oil Age	hrs	Client Info		0	0	940
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	47	75	44
Iron	ppm	ASTM D5185m	>750	106	114	86
Chromium	ppm	ASTM D5185m	>9	2	2	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	5	8	2
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

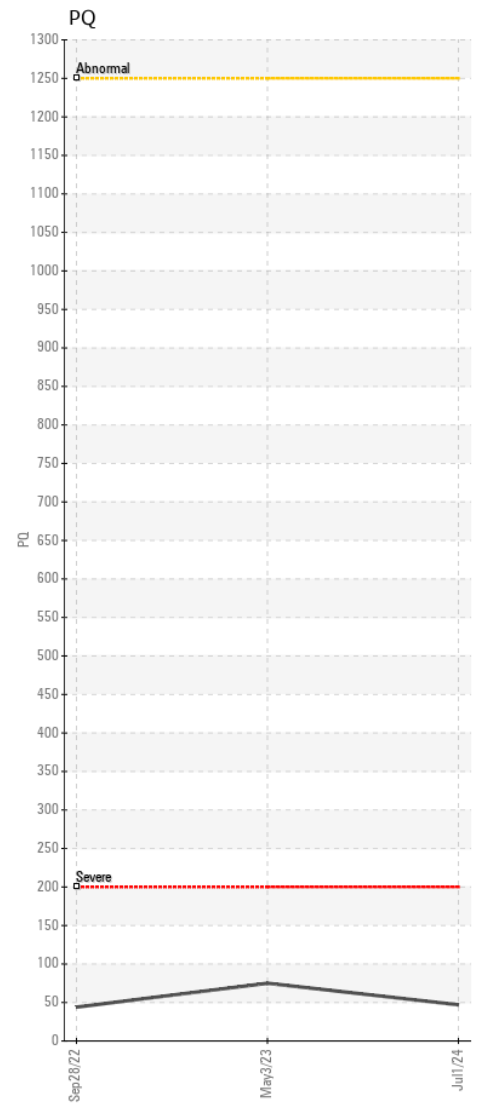
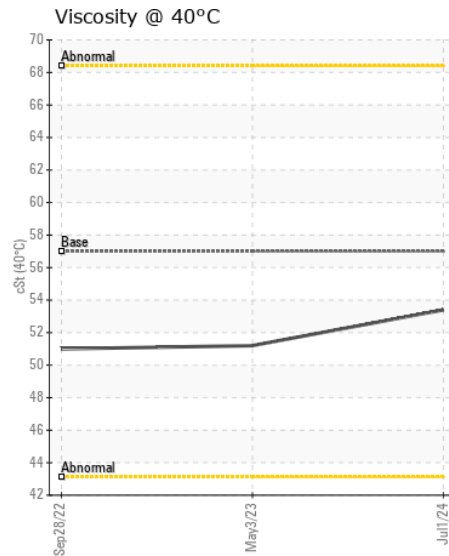
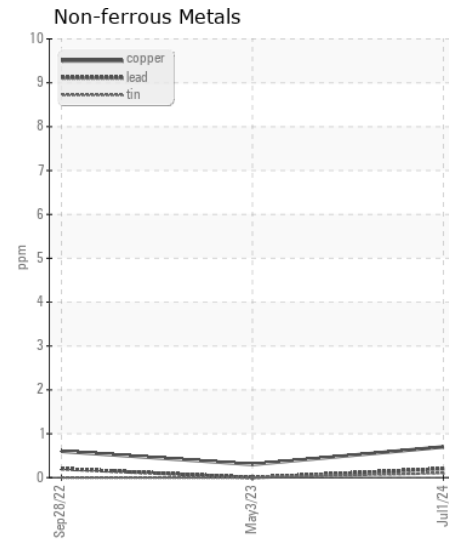
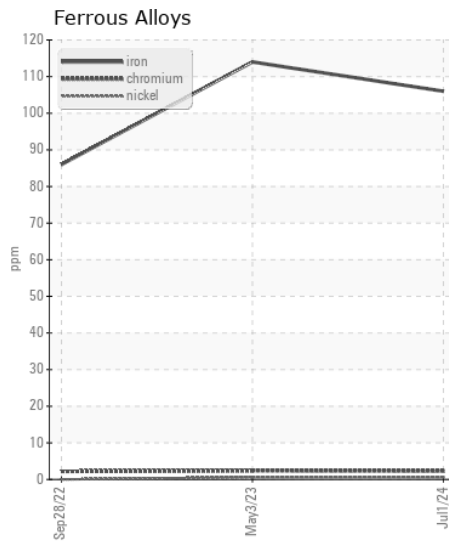
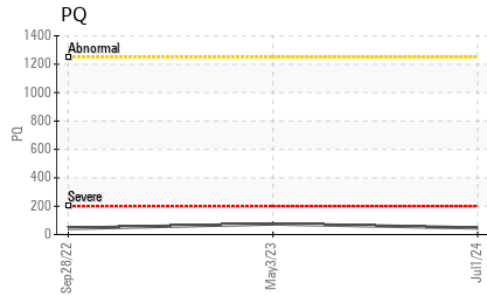
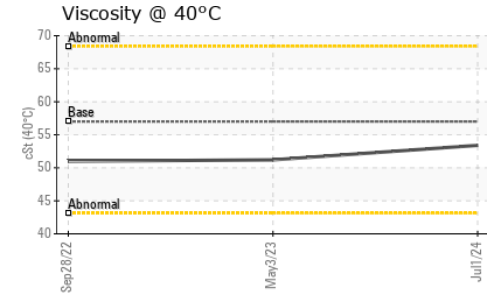
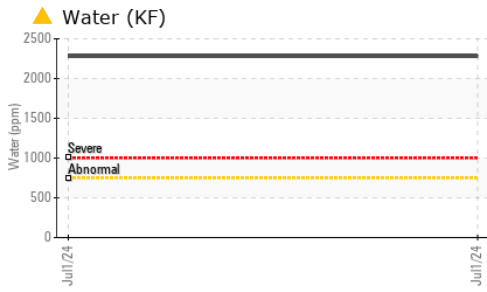
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	26	40	16
Potassium	ppm	ASTM D5185m	>20	3	3	10
Water	%	ASTM D6304	>0.075	▲ 0.228	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 2280	---	---
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	>0.075	0.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	2
Boron	ppm	ASTM D5185m	6	8	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	7	2	1
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m	145	119	103	92
Calcium	ppm	ASTM D5185m	3570	3318	3454	3339
Phosphorus	ppm	ASTM D5185m	1290	928	1047	997
Zinc	ppm	ASTM D5185m	1640	1216	1300	1177
Sulfur	ppm	ASTM D5185m		3485	4601	3701
Visc @ 40°C	cSt	ASTM D445	57.0	53.4	51.2	51.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218897 **Received** : 08 Jul 2024
Lab Number : 06230434 **Tested** : 09 Jul 2024
Unique Number : 11113927 **Diagnosed** : 10 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: KF, PQ)

JRE - ASHEVILLE
 101 BRUCE DRIVE
 ASHEVILLE, NC
 US 28806

Contact: Randy Warren
 randy.warren@jamesriverequipment.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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