



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16441]
 Machine Id
JOHN DEERE 700L 1T0700LXLMF405257
 Component
Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (11 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16441)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217245	JR0149690	JR0139812
Sample Date		Client Info		13 Jun 2024	20 Oct 2022	27 Jul 2022
Machine Age	hrs	Client Info		4061	2363	1965
Oil Age	hrs	Client Info		1097	0	1965
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	41	36	56
Iron	ppm	ASTM D5185m	>750	54	47	162
Chromium	ppm	ASTM D5185m	>9	3	2	5
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	8	35
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

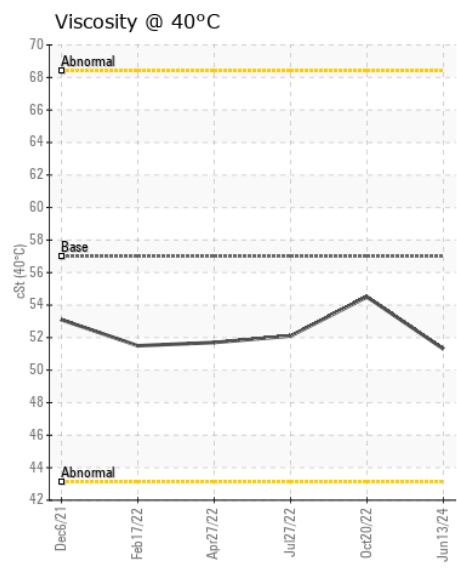
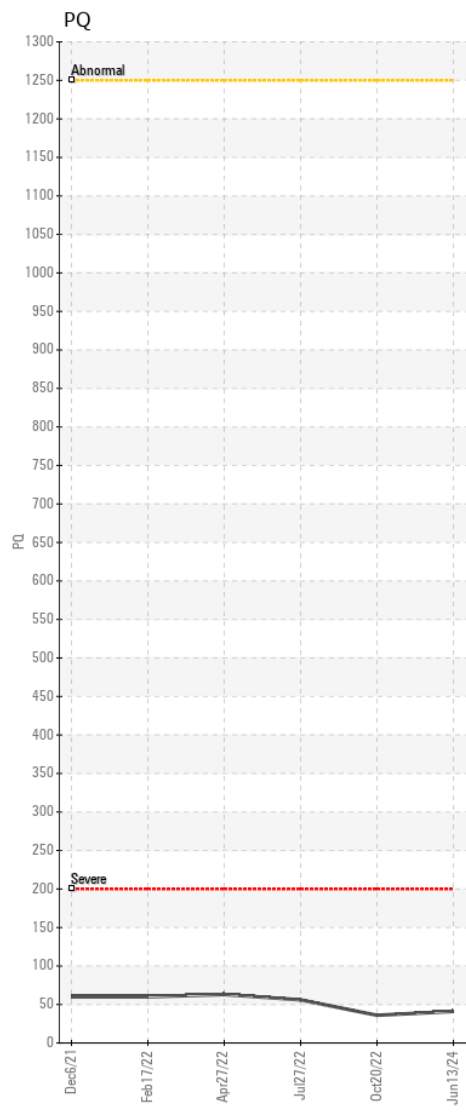
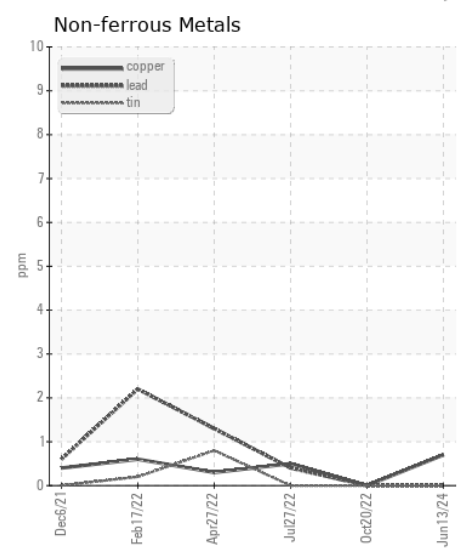
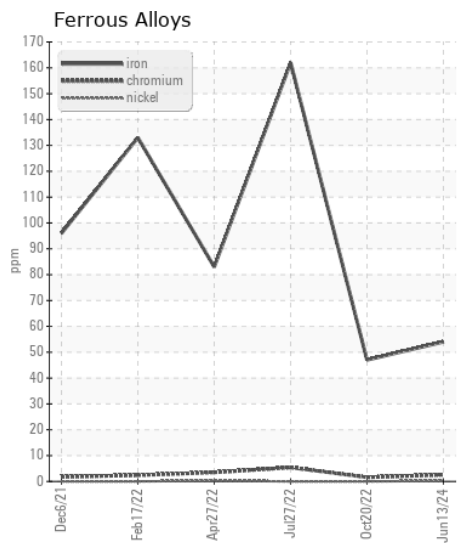
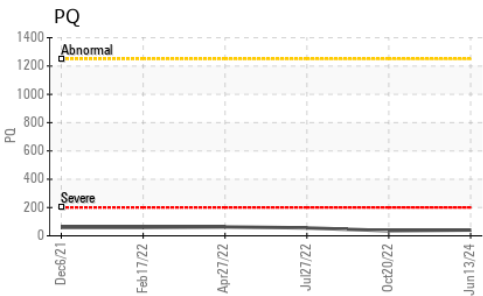
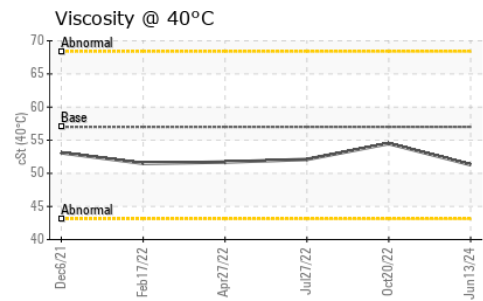
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	33	23	92
Potassium	ppm	ASTM D5185m	>20	2	0	10
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	0	3
Boron	ppm	ASTM D5185m	6	6	12	4
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	3	12	5
Manganese	ppm	ASTM D5185m		1	<1	3
Magnesium	ppm	ASTM D5185m	145	100	127	103
Calcium	ppm	ASTM D5185m	3570	3395	3315	3471
Phosphorus	ppm	ASTM D5185m	1290	1022	952	1019
Zinc	ppm	ASTM D5185m	1640	1177	1155	1204
Sulfur	ppm	ASTM D5185m		4170	3836	4242
Visc @ 40°C	cSt	ASTM D445	57.0	51.3	54.5	52.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217245 **Received** : 17 Jun 2024
Lab Number : 06212026 **Tested** : 18 Jun 2024
Unique Number : 11084890 **Diagnosed** : 19 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)