



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 304L 1LU304LXAZB061589

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

FLUID CONDITION

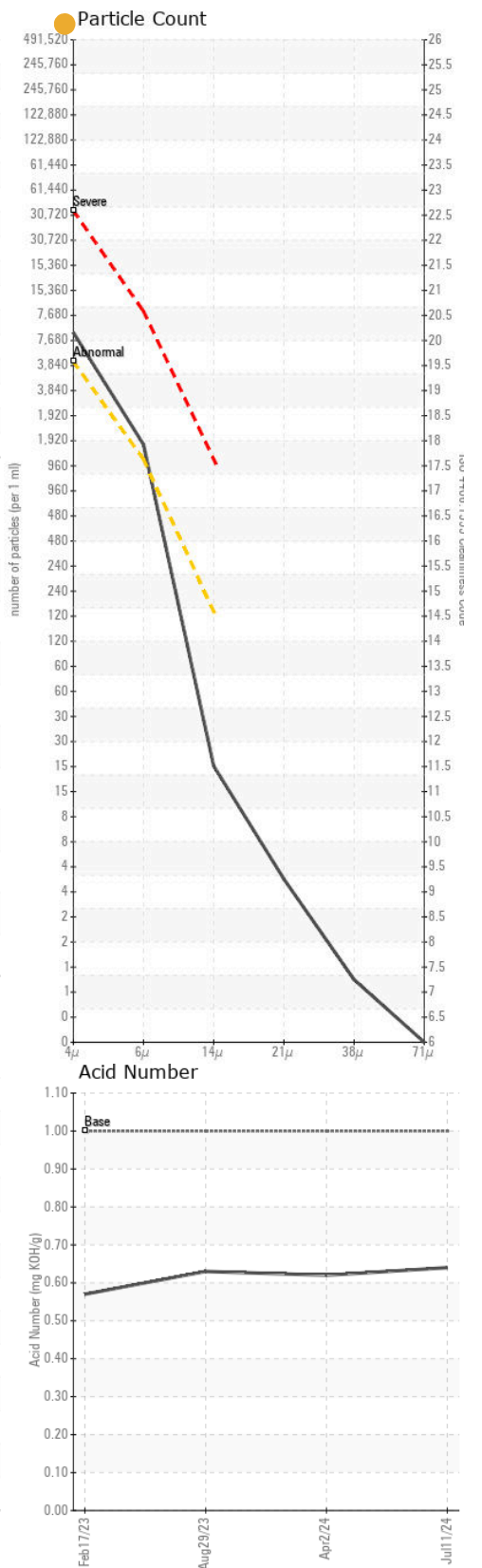
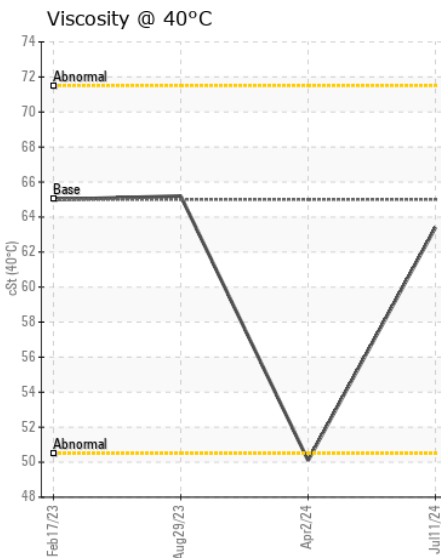
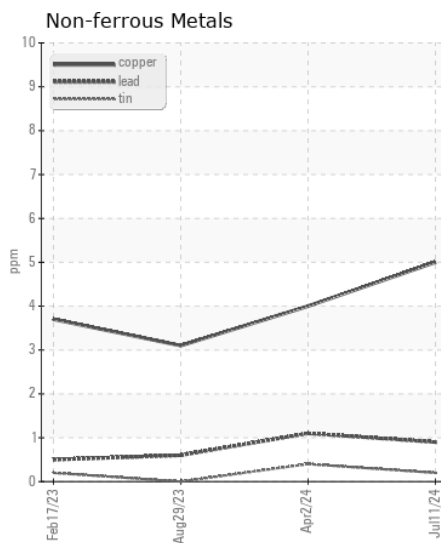
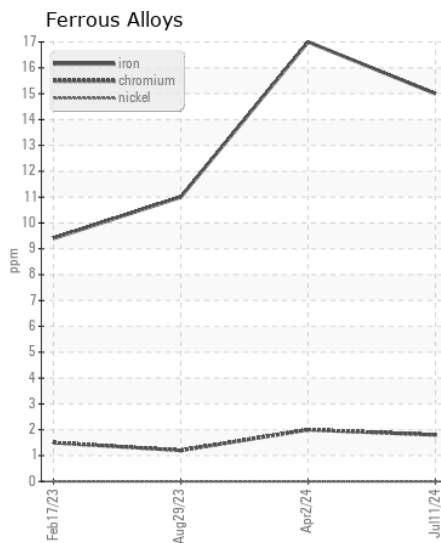
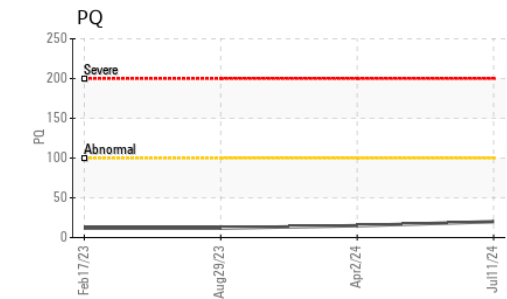
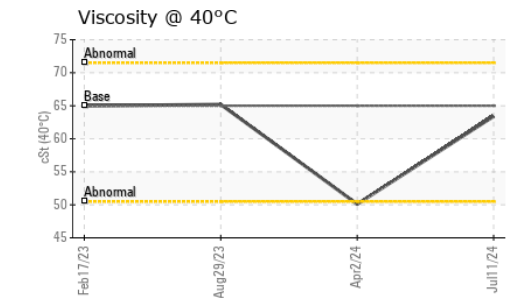
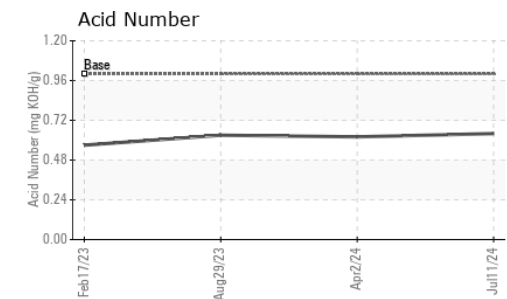
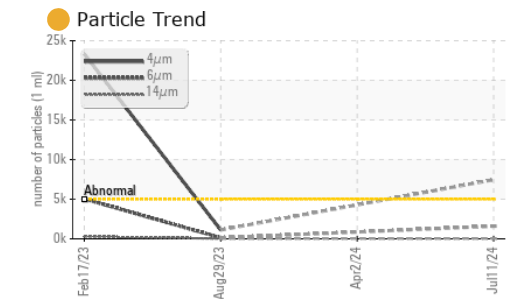
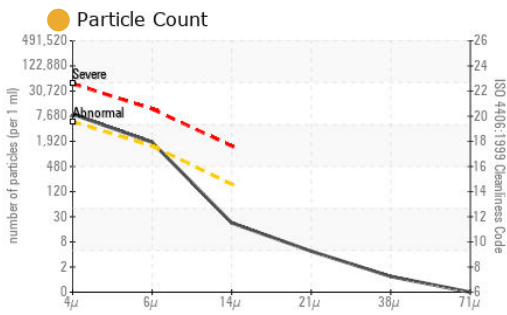
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215910	JR0204210	JR0178186
Sample Date		Client Info		11 Jul 2024	02 Apr 2024	29 Aug 2023
Machine Age	hrs	Client Info		3095	2519	1108
Oil Age	hrs	Client Info		0	900	1108
Filter Age	hrs	Client Info		0	900	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	15	12
Iron	ppm	ASTM D5185m	>20	15	17	11
Chromium	ppm	ASTM D5185m	>10	2	2	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	3
Lead	ppm	ASTM D5185m	>10	<1	1	<1
Copper	ppm	ASTM D5185m	>75	5	4	3
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	3	4	2
Potassium	ppm	ASTM D5185m	>20	11	11	6
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	7463	---	1119
Particles >6µm		ASTM D7647	>1300	1593	---	126
Particles >14µm		ASTM D7647	>160	19	---	19
Particles >21µm		ASTM D7647	>40	4	---	6
Particles >38µm		ASTM D7647	>10	1	---	0
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/11	---	17/14/11
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	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m		4	5	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		14	21	12
Calcium	ppm	ASTM D5185m	87	1357	1188	1325
Phosphorus	ppm	ASTM D5185m	727	325	315	376
Zinc	ppm	ASTM D5185m	900	440	375	417
Sulfur	ppm	ASTM D5185m	1500	4416	4275	5810
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.64	0.62	0.63
Visc @ 40°C	cSt	ASTM D445	65	63.4	50.1	65.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215910 **Received** : 15 Jul 2024
Lab Number : 06235791 **Tested** : 16 Jul 2024
Unique Number : 11124625 **Diagnosed** : 16 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - STATESVILLE
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 STATESVILLE, NC
 US 28625
 Contact: MIKE CRANFILL
 MCRANFILL@JAMESRIVEREQUIPMENT.COM
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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)