



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9170]

Machine Id

JOHN DEERE 750L 1T0750LXEPF449557

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (26 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9170)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224134	JR0197036	JR0186931
Sample Date		Client Info		11 Jul 2024	09 Apr 2024	25 Oct 2023
Machine Age	hrs	Client Info		1565	1198	426
Oil Age	hrs	Client Info		1565	1198	0
Filter Age	hrs	Client Info		1565	1198	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	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		16	18	17
Iron	ppm	ASTM D5185m	>20	3	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

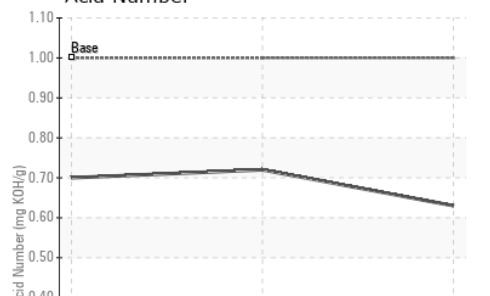
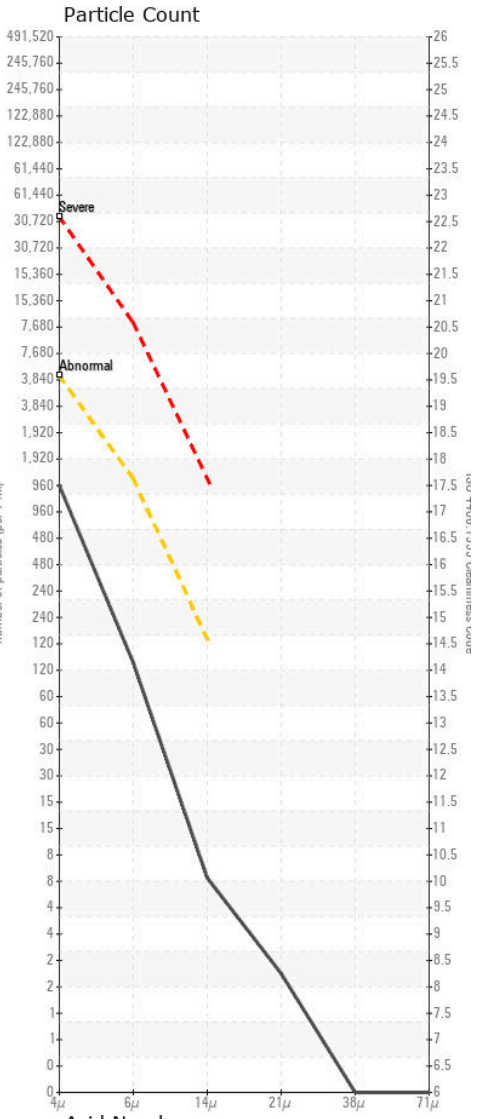
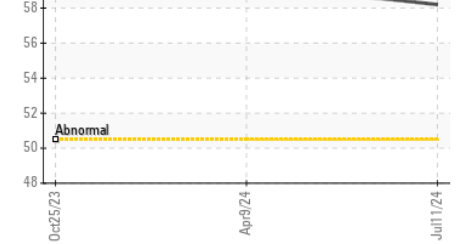
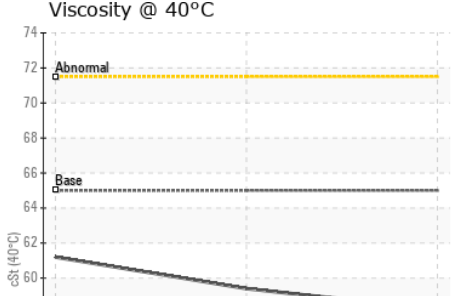
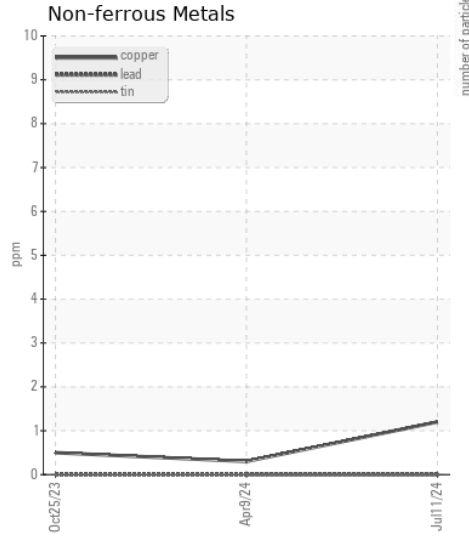
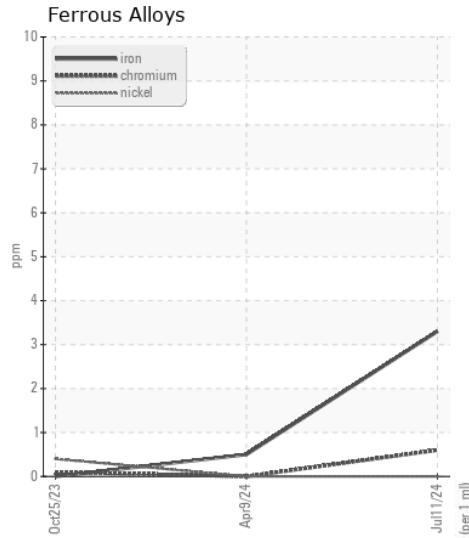
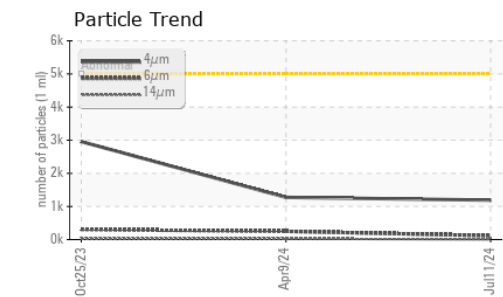
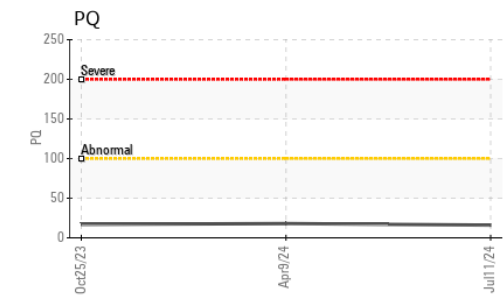
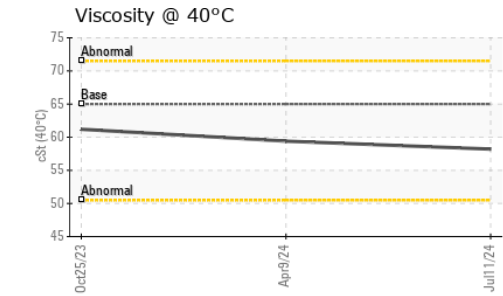
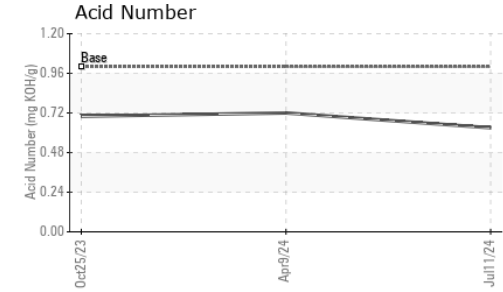
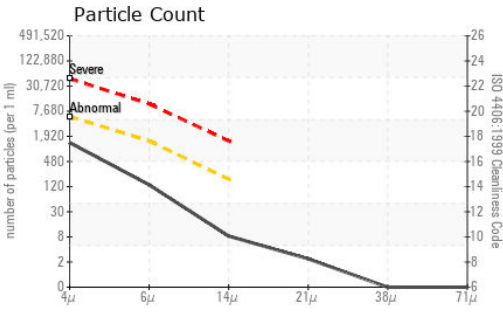
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	2	2	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	1190	1274	2958
Particles >6µm		ASTM D7647	>1300	117	249	303
Particles >14µm		ASTM D7647	>160	7	23	19
Particles >21µm		ASTM D7647	>40	2	7	5
Particles >38µm		ASTM D7647	>10	0	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/10	17/15/12	19/15/11
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	0	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		10	0	6
Calcium	ppm	ASTM D5185m	87	96	87	89
Phosphorus	ppm	ASTM D5185m	727	708	670	698
Zinc	ppm	ASTM D5185m	900	862	843	935
Sulfur	ppm	ASTM D5185m	1500	1927	1797	1779
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.63	0.72	0.70
Visc @ 40°C	cSt	ASTM D445	65	58.2	59.4	61.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224134 **Received** : 16 Jul 2024
Lab Number : 06237676 **Tested** : 17 Jul 2024
Unique Number : 11126510 **Diagnosed** : 18 Jul 2024 - Don Baldridge
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.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)