



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1T0310SLCGF300897
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Top Up Amount: 1.5 QTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217687	JR0172723	JR0154507
Sample Date		Client Info		30 May 2024	12 May 2023	28 Nov 2022
Machine Age	hrs	Client Info		3831	3416	3077
Oil Age	hrs	Client Info		3492	339	3077
Filter Age	hrs	Client Info		3492	339	3077
Oil Changed		Client Info		Oil Added	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	22	24	32
Chromium	ppm	ASTM D5185m	>10	3	4	5
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	5	3
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	<1	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

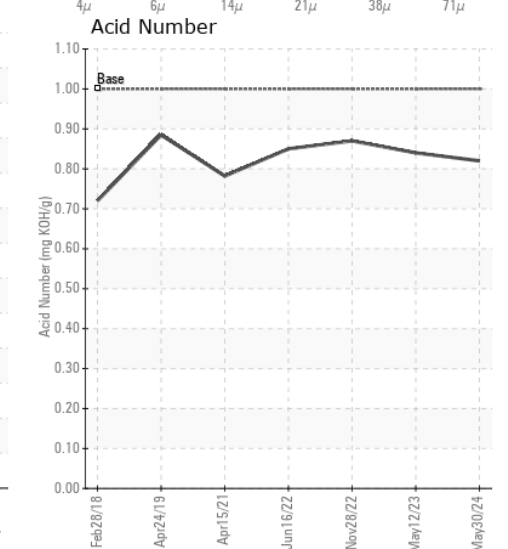
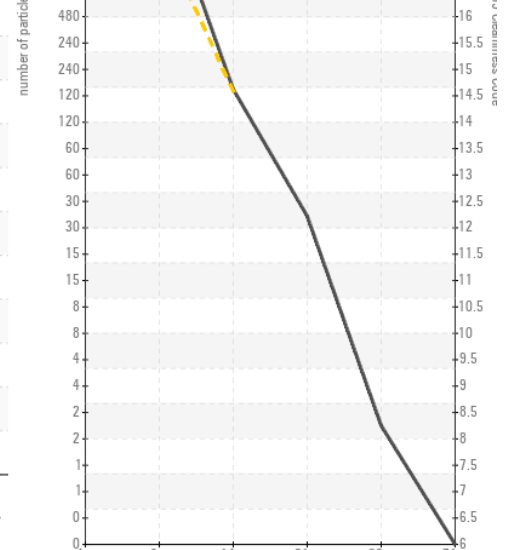
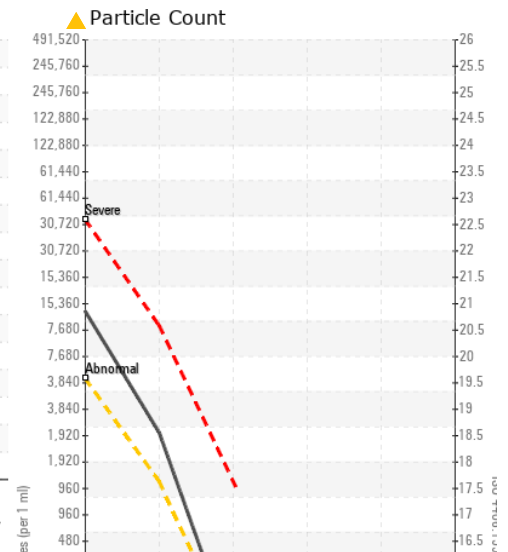
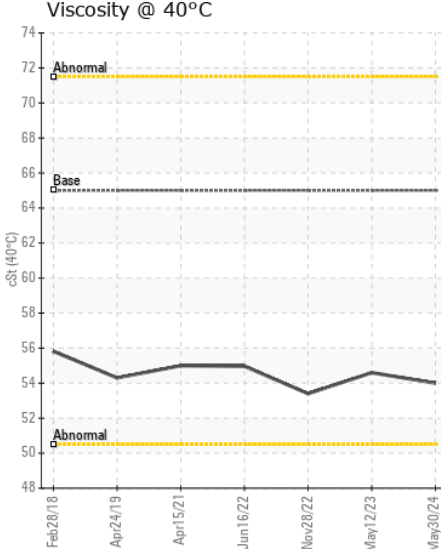
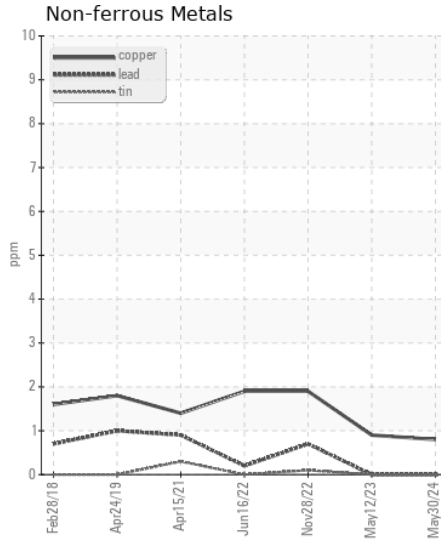
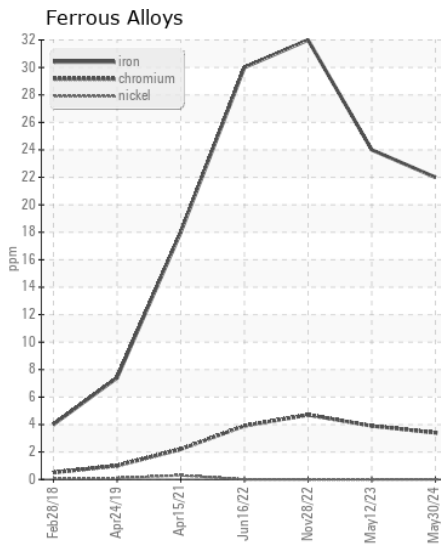
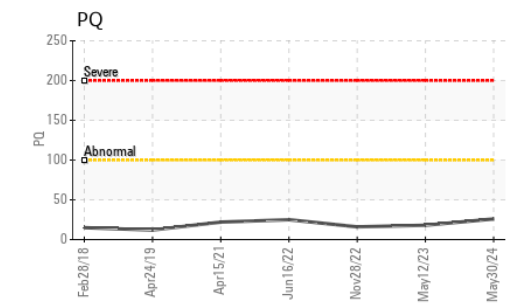
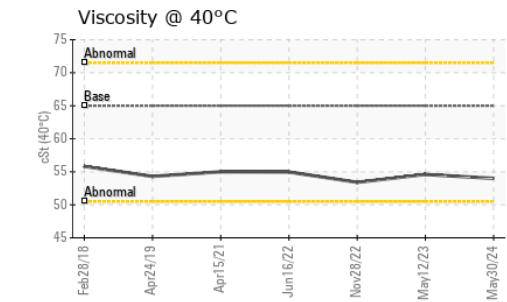
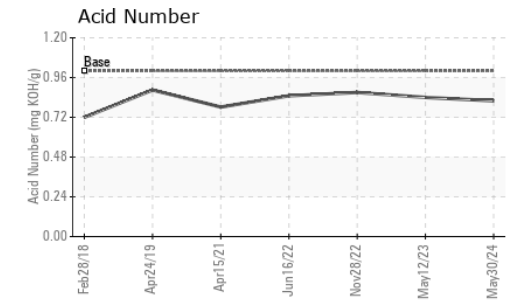
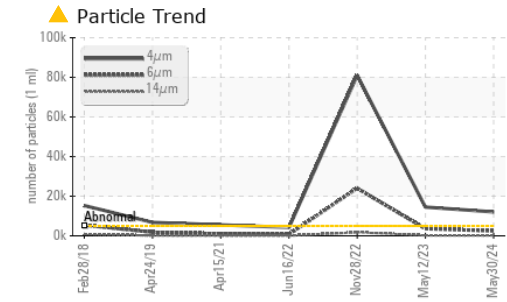
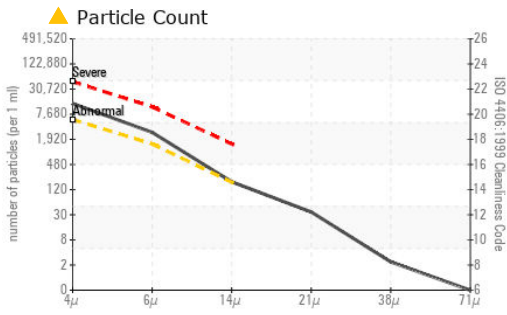
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	3	6	7
Potassium	ppm	ASTM D5185m	>20	<1	2	4
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 12060	▲ 14516	▲ 80989
Particles >6µm		ASTM D7647	>1300	▲ 2466	▲ 3581	▲ 24034
Particles >14µm		ASTM D7647	>160	▲ 163	▲ 187	▲ 1777
Particles >21µm		ASTM D7647	>40	31	31	▲ 436
Particles >38µm		ASTM D7647	>10	2	3	▲ 16
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/18/15	▲ 21/19/15	▲ 24/22/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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 oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		2	1	<1
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		19	9	12
Calcium	ppm	ASTM D5185m	87	639	267	409
Phosphorus	ppm	ASTM D5185m	727	723	664	659
Zinc	ppm	ASTM D5185m	900	870	890	867
Sulfur	ppm	ASTM D5185m	1500	2169	1762	2045
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.82	0.84	0.87
Visc @ 40°C	cSt	ASTM D445	65	54.0	54.6	53.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217687 **Received** : 03 Jun 2024
Lab Number : 06197555 **Tested** : 04 Jun 2024
Unique Number : 11059678 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

NPL CONSTRUCTION
 7611 COPPERMINE DR
 MANASSAS, VA
 US 20109-2668
 Contact: BRANDON

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)