



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{unassigned} [151789]
Machine Id
PRINOTH T14R 935310246
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050410	LEC0044863	LEC0038449
Sample Date		Client Info		13 Jun 2024	08 Nov 2023	16 Jan 2023
Machine Age	hrs	Client Info		1960	1700	1218
Oil Age	hrs	Client Info		1960	482	1218
Filter Age	hrs	Client Info		742	482	1218
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	13	13	▲ 21
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	2	<1	4
Copper	ppm	ASTM D5185m	>75	5	7	10
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

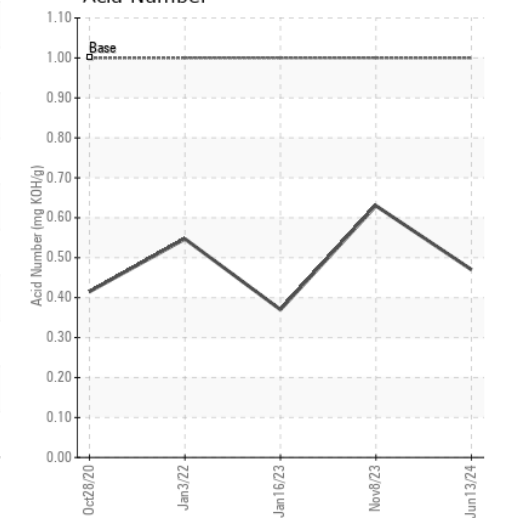
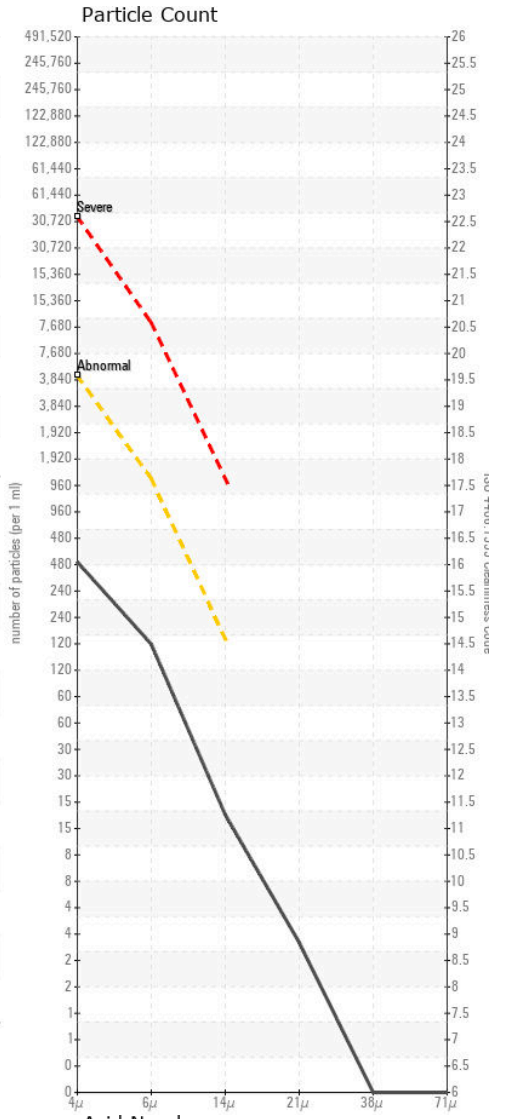
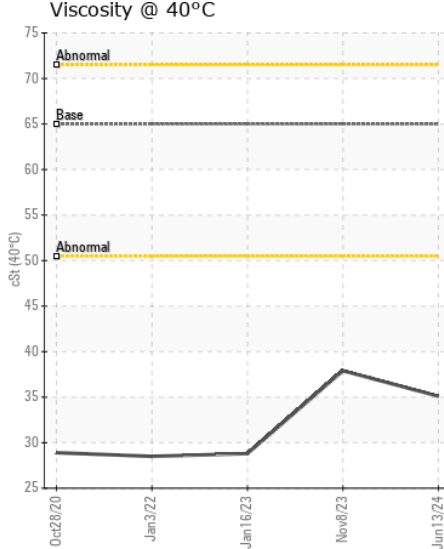
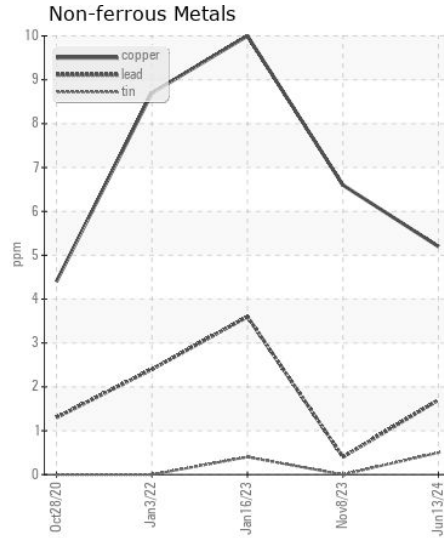
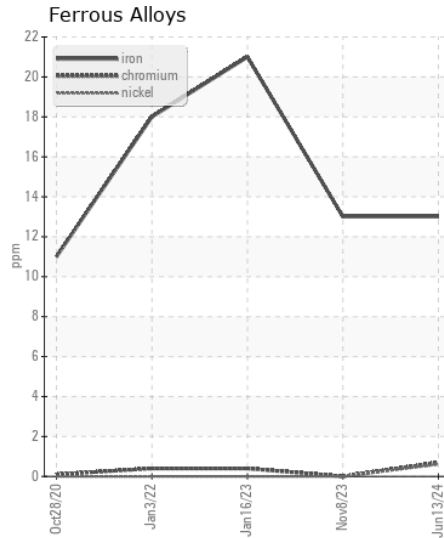
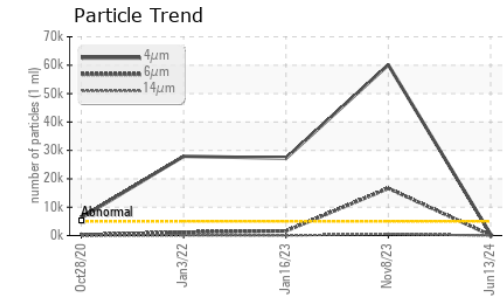
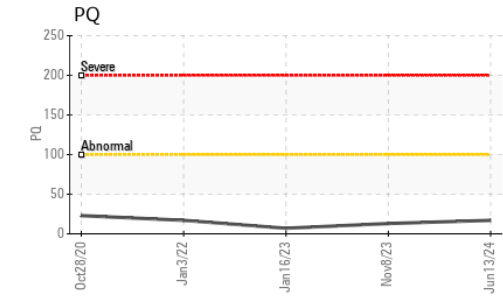
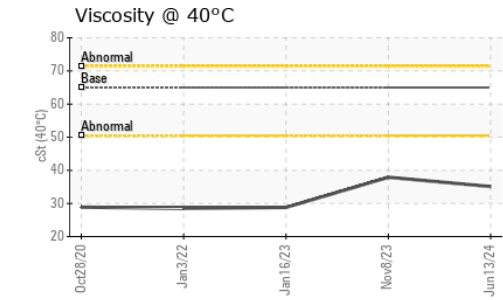
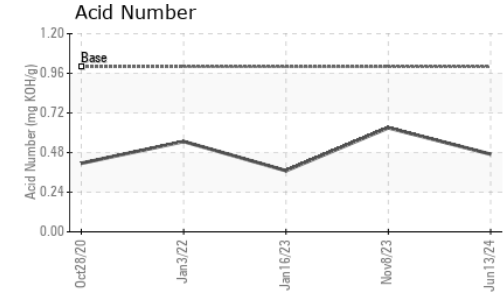
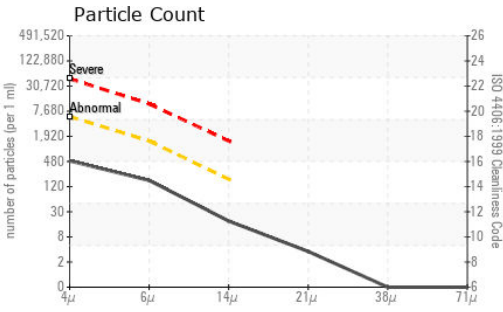
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	5	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	437	▲ 60131	▲ 27249
Particles >6µm		ASTM D7647	>1300	149	▲ 16650	● 1646
Particles >14µm		ASTM D7647	>160	16	▲ 523	36
Particles >21µm		ASTM D7647	>40	3	▲ 66	10
Particles >38µm		ASTM D7647	>10	0	2	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/11	▲ 23/21/16	▲ 22/18/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		2	3	2
Boron	ppm	ASTM D5185m		16	3	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		42	39	86
Calcium	ppm	ASTM D5185m	87	70	44	17
Phosphorus	ppm	ASTM D5185m	727	394	417	360
Zinc	ppm	ASTM D5185m	900	397	418	327
Sulfur	ppm	ASTM D5185m	1500	1297	1244	1502
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.47	0.63	0.37
Visc @ 40°C	cSt	ASTM D445	65	35.1	37.9	28.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050410 **Received** : 17 Jun 2024
Lab Number : 06211520 **Tested** : 18 Jun 2024
Unique Number : 11084384 **Diagnosed** : 18 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)