



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont [RO# 151870]

Machine Id
PRINOTH 935310208

Component
Hydrostatic
Fluid
JOHN DEERE HYDRAU (37 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048307	LEC0025379	LEC0041733
Sample Date		Client Info		10 Jun 2024	01 Jun 2023	17 May 2023
Machine Age	hrs	Client Info		2214	1749	1748
Oil Age	hrs	Client Info		2214	1749	1748
Filter Age	hrs	Client Info		1250	785	963
Oil Changed		Client Info		Not Changed	Not Changd	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				ATTENTION	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>200	6	6	6
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	<1	<1
Lead	ppm	ASTM D5185m	>50	1	0	<1
Copper	ppm	ASTM D5185m	>200	9	5	6
Tin	ppm	ASTM D5185m	>10	<1	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

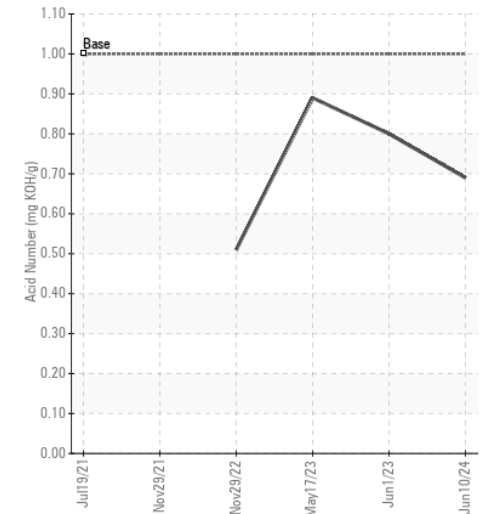
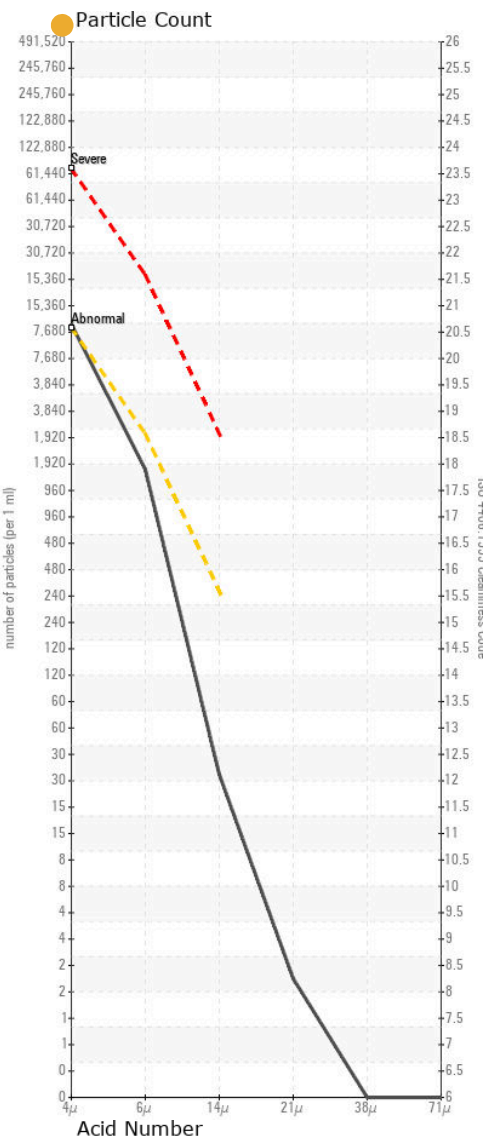
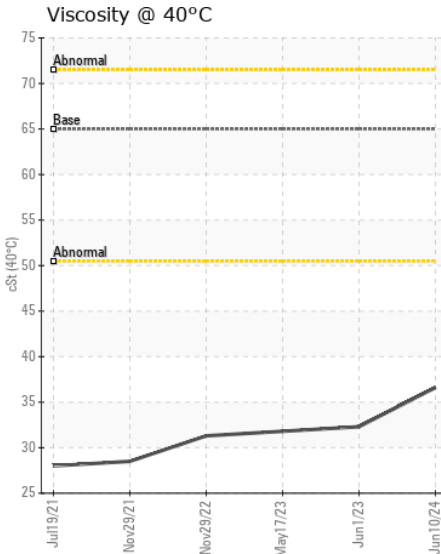
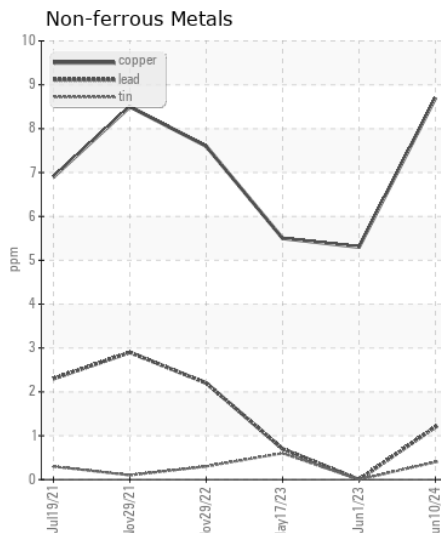
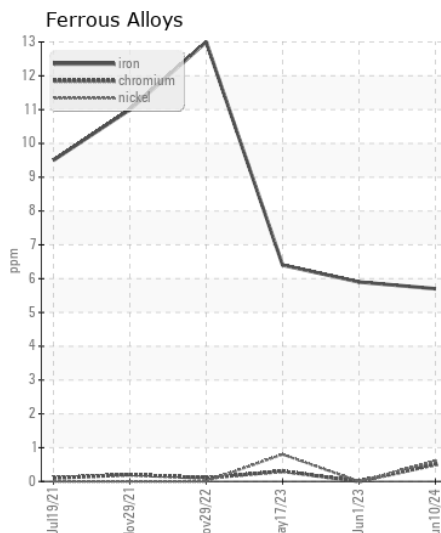
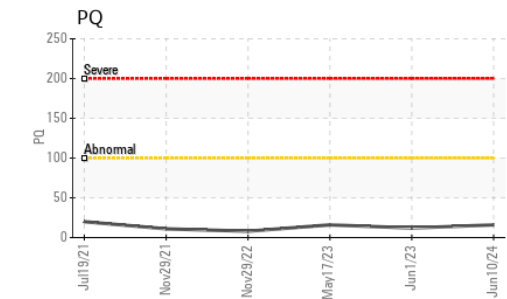
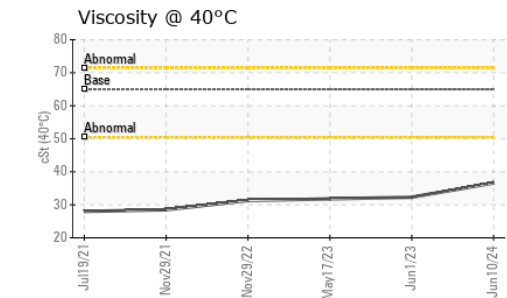
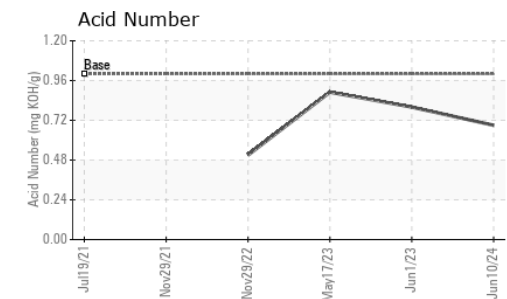
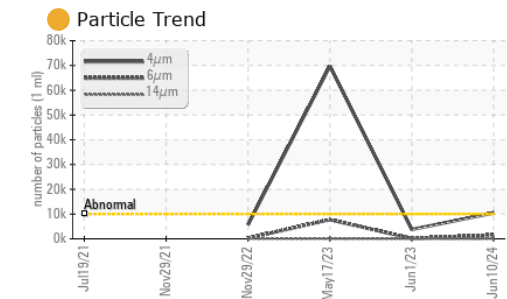
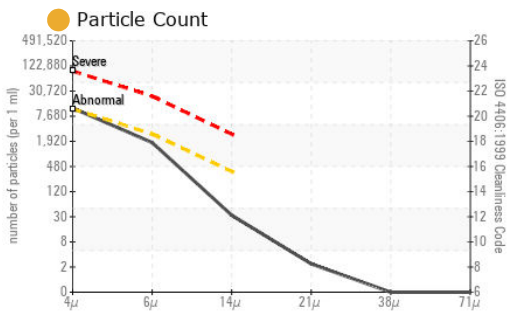
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	2	1	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	10454	3769	▲ 69730
Particles >6µm		ASTM D7647	>2500	1569	165	▲ 7728
Particles >14µm		ASTM D7647	>320	29	19	48
Particles >21µm		ASTM D7647	>80	2	8	8
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/18/12	19/15/11	▲ 23/20/13
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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	3	3
Boron	ppm	ASTM D5185m		50	113	108
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		19	25	33
Calcium	ppm	ASTM D5185m	87	74	128	112
Phosphorus	ppm	ASTM D5185m	727	368	424	429
Zinc	ppm	ASTM D5185m	900	252	136	141
Sulfur	ppm	ASTM D5185m	1500	1048	1414	1610
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.69	0.80	0.89
Visc @ 40°C	cSt	ASTM D445	65	36.6	32.3	31.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048307 **Received** : 17 Jun 2024
Lab Number : 06211514 **Tested** : 18 Jun 2024
Unique Number : 11084378 **Diagnosed** : 18 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ, PrtCount)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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)

F: (740)373-5570