



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Store 4 - Fairmont

Machine Id

PRINOTH 935310208

Component

Hydrostatic

Fluid

JOHN DEERE HYDRAU (37 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0025379	LEC0041733	LEC0036863
Sample Date		Client Info		01 Jun 2023	17 May 2023	29 Nov 2022
Machine Age	hrs	Client Info		1749	1748	1364
Oil Age	hrs	Client Info		1749	1748	1364
Filter Age	hrs	Client Info		785	963	785
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>200	6	6	13
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>50	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	2
Copper	ppm	ASTM D5185m	>200	5	6	8
Tin	ppm	ASTM D5185m	>10	0	<1	<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

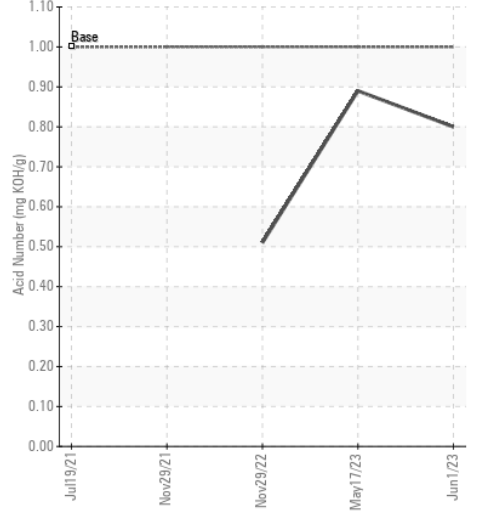
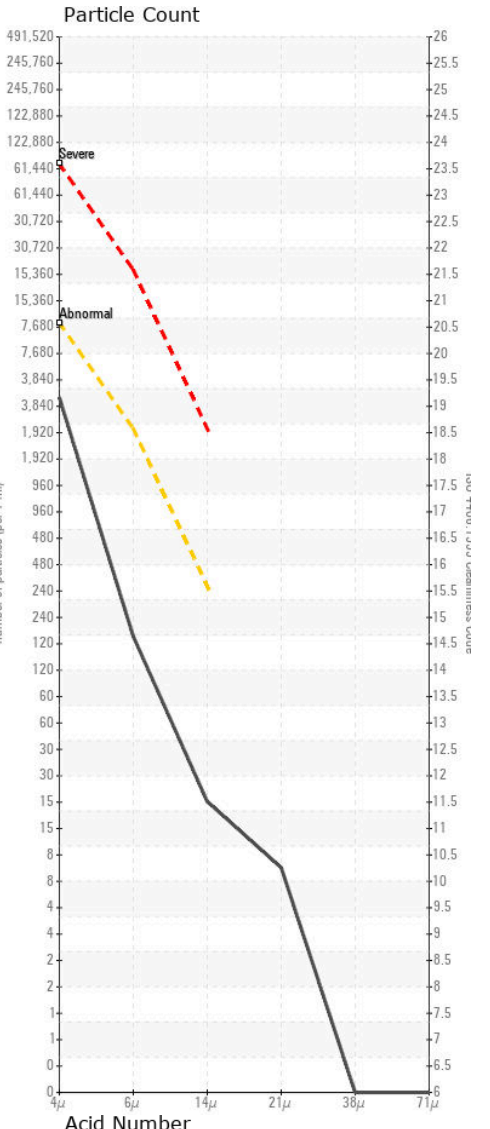
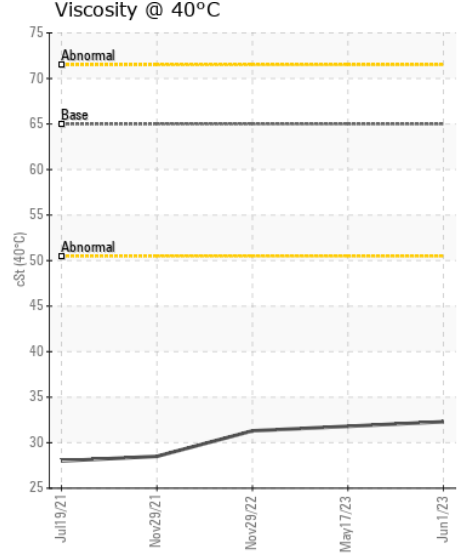
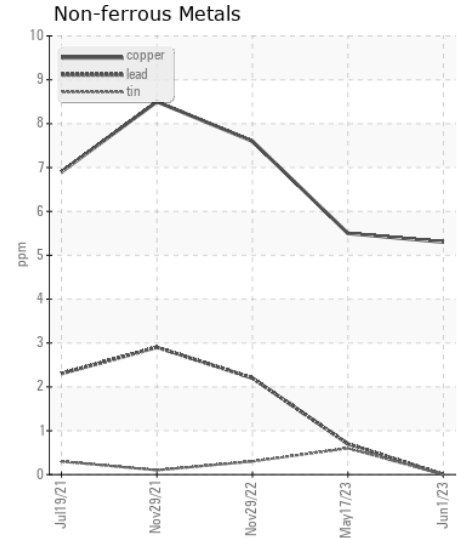
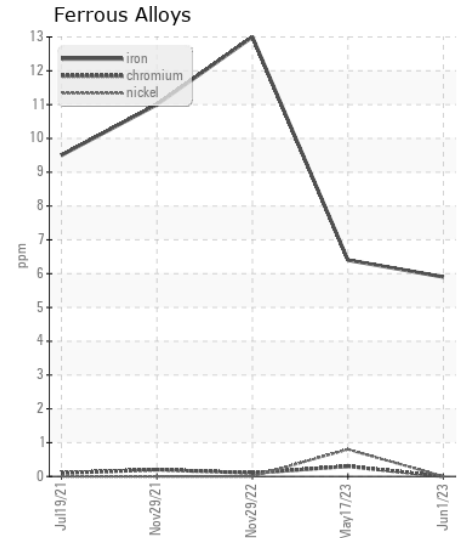
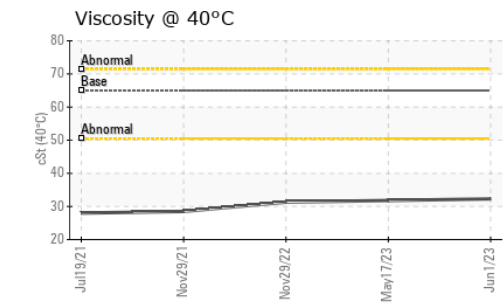
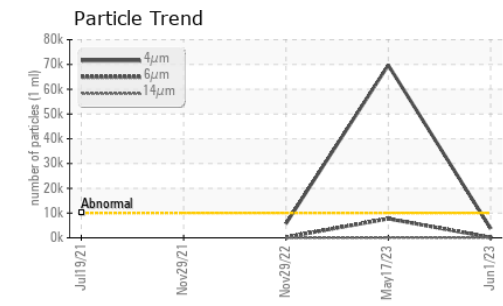
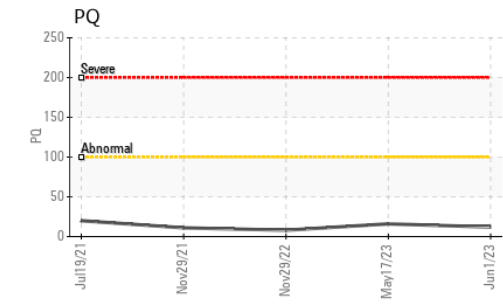
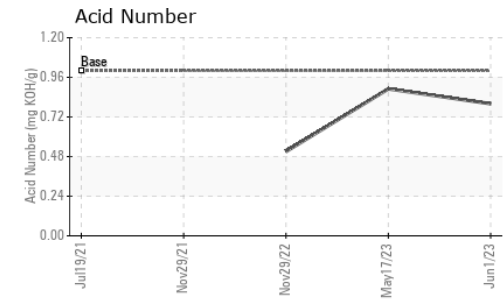
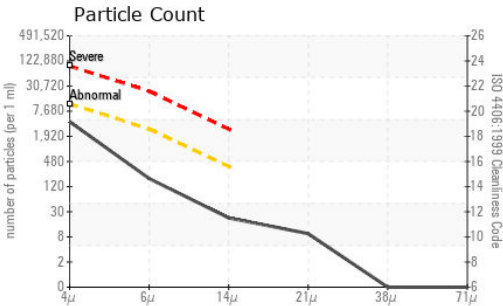
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>50	1	1	1
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	3769	▲ 69730	5722
Particles >6µm		ASTM D7647	>2500	165	▲ 7728	256
Particles >14µm		ASTM D7647	>320	19	48	9
Particles >21µm		ASTM D7647	>80	8	8	1
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/15/11	▲ 23/20/13	20/15/10
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		3	3	2
Boron	ppm	ASTM D5185m		113	108	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		25	33	89
Calcium	ppm	ASTM D5185m	87	128	112	132
Phosphorus	ppm	ASTM D5185m	727	424	429	411
Zinc	ppm	ASTM D5185m	900	136	141	409
Sulfur	ppm	ASTM D5185m	1500	1414	1610	1629
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.80	0.89	0.51
Visc @ 40°C	cSt	ASTM D445	65	32.3	31.8	31.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0025379 **Received** : 05 Jun 2023
Lab Number : 05864174 **Tested** : 06 Jun 2023
Unique Number : 10498639 **Diagnosed** : 06 Jun 2023 - Doug Bogart
Test Package : MOBCE (Additional Tests: PQ, PrtCount)

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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)