



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver [RO#149910]
 Machine Id
JOHN DEERE 904P 1DW904PALPLX07507
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (48 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (after filter caddy). (Customer Sample Comment: Follow up sample-After Filter Caddy Need Rushed)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048914	LEC0048913	LEC0048845
Sample Date		Client Info		17 Apr 2024	16 Apr 2024	12 Apr 2024
Machine Age	hrs	Client Info		1056	1055	1054
Oil Age	hrs	Client Info		2	1	1054
Filter Age	hrs	Client Info		2	1	1054
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	13	13
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	2	5	2
Tin	ppm	ASTM D5185m	>10	<1	<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

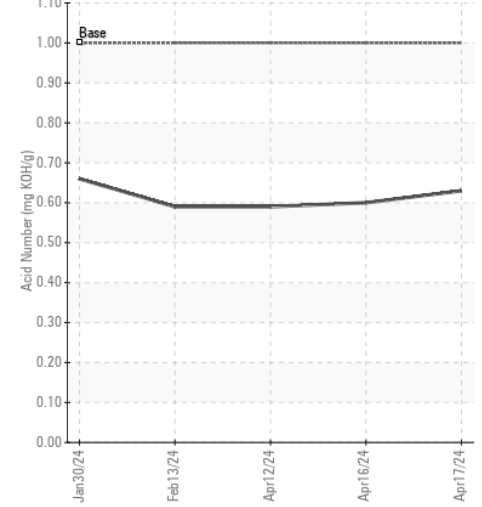
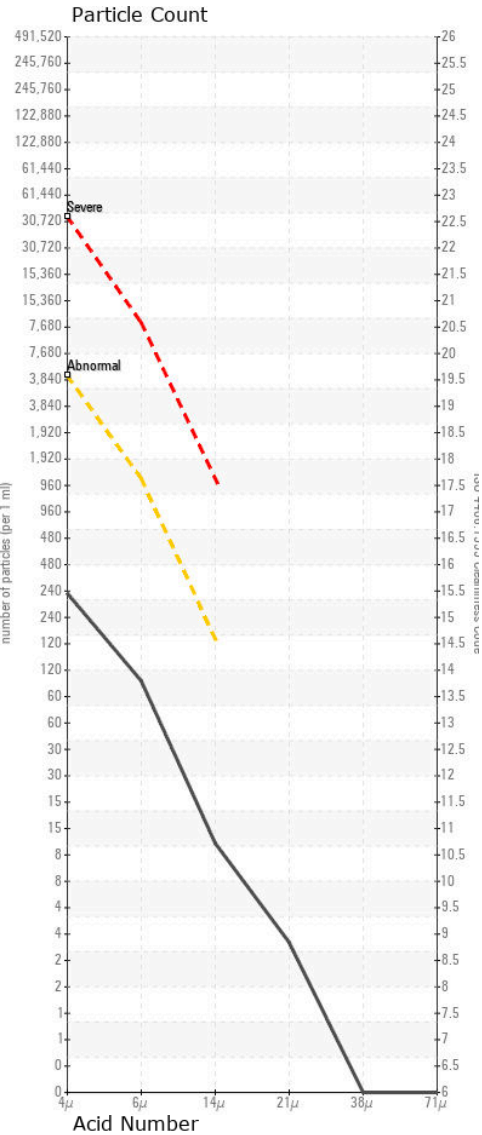
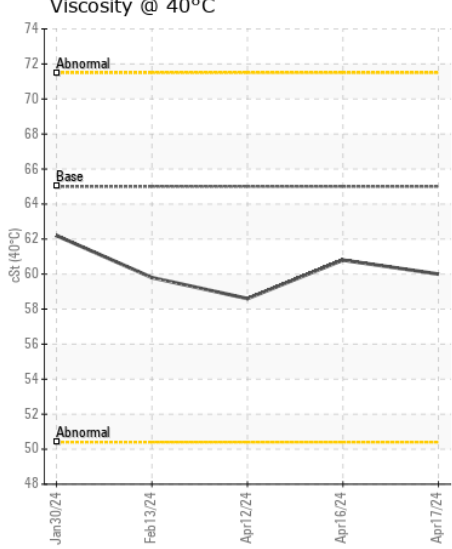
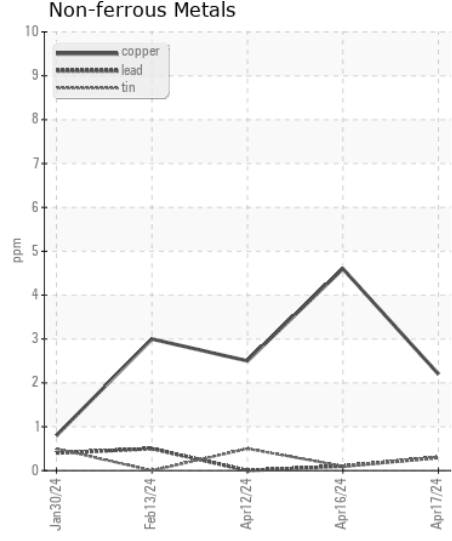
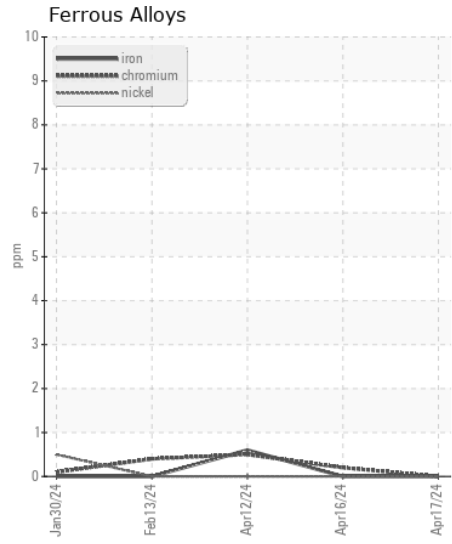
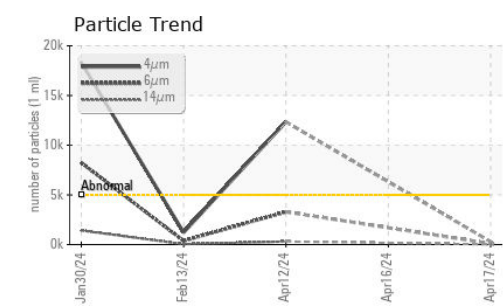
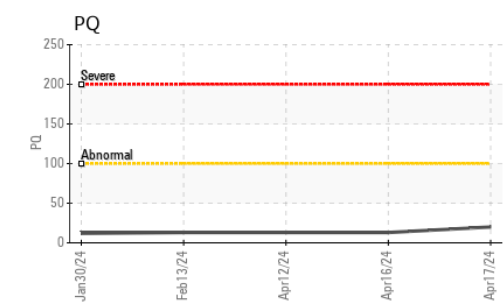
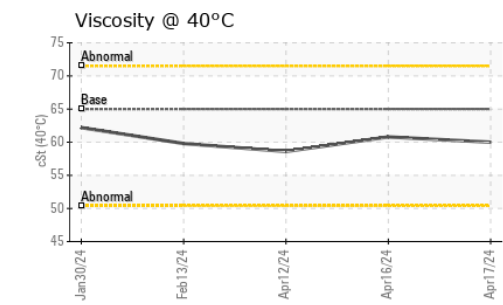
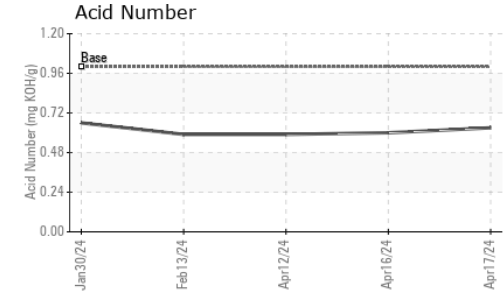
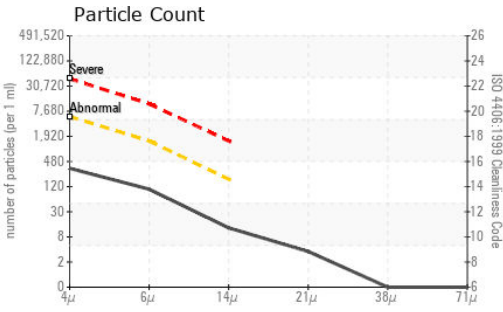
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	2	4	4
Potassium	ppm	ASTM D5185m	>20	3	1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	290	---	▲ 12341
Particles >6µm		ASTM D7647	>1300	92	---	▲ 3292
Particles >14µm		ASTM D7647	>160	11	---	● 307
Particles >21µm		ASTM D7647	>40	3	---	▲ 100
Particles >38µm		ASTM D7647	>10	0	---	6
Particles >71µm		ASTM D7647	>3	0	---	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/14/11	---	▲ 21/19/15
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	2	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		7	4	2
Calcium	ppm	ASTM D5185m	87	190	170	225
Phosphorus	ppm	ASTM D5185m	727	712	730	615
Zinc	ppm	ASTM D5185m	900	876	888	704
Sulfur	ppm	ASTM D5185m	1500	2043	2060	1776
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.63	0.60	0.59
Visc @ 40°C	cSt	ASTM D445	65	60.0	60.8	58.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048914 **Received** : 19 Apr 2024
Lab Number : 06154216 **Tested** : 23 Apr 2024
Unique Number : 10989639 **Diagnosed** : 23 Apr 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)