



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver [RO#152003]
Machine Id
JOHN DEERE 904P 1DW904PALPLX07507
Component
Rear Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051165	LEC0048846	LEC0047645
Sample Date		Client Info		02 Jul 2024	12 Apr 2024	30 Jan 2024
Machine Age	hrs	Client Info		1584	1054	585
Oil Age	hrs	Client Info		999	469	585
Filter Age	hrs	Client Info		530	469	585
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		71	93	216
Iron	ppm	ASTM D5185m	>750	125	115	208
Chromium	ppm	ASTM D5185m	>11	<1	2	2
Nickel	ppm	ASTM D5185m	>10	2	3	2
Titanium	ppm	ASTM D5185m		0	1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	2	2	0
Lead	ppm	ASTM D5185m	>49	5	2	2
Copper	ppm	ASTM D5185m	>101	99	55	76
Tin	ppm	ASTM D5185m	>10	4	6	4
Vanadium	ppm	ASTM D5185m		0	1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

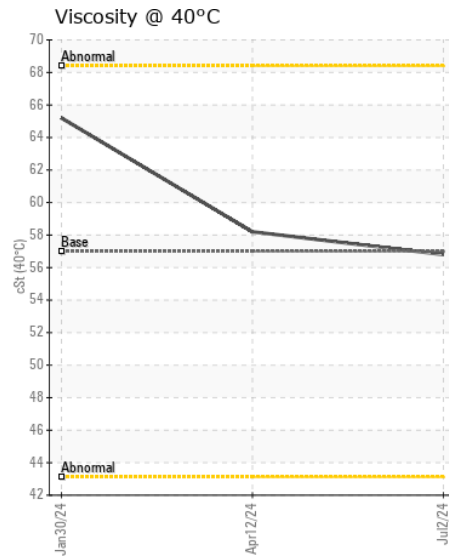
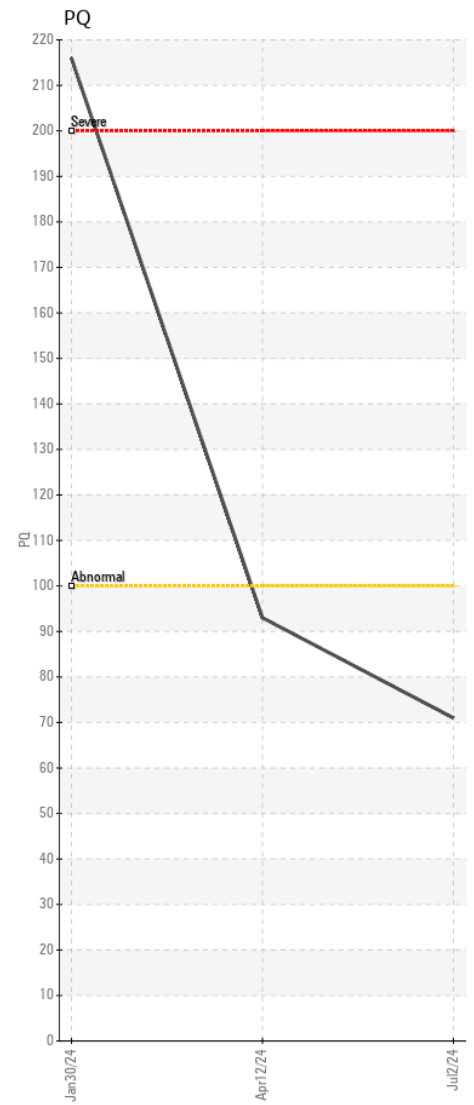
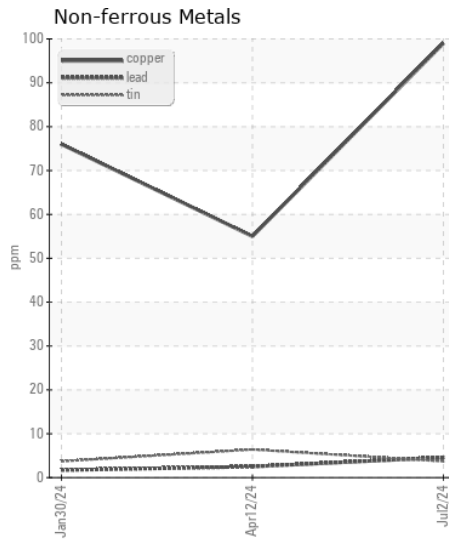
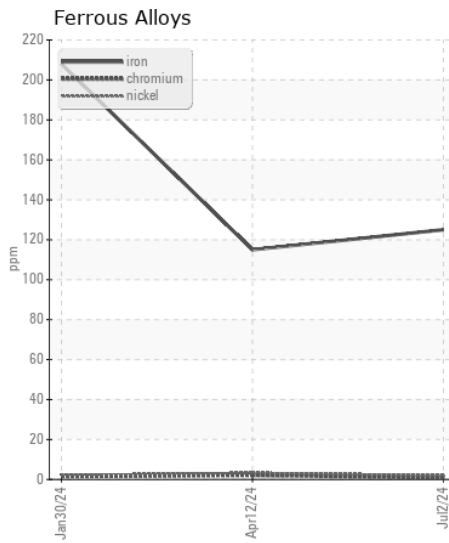
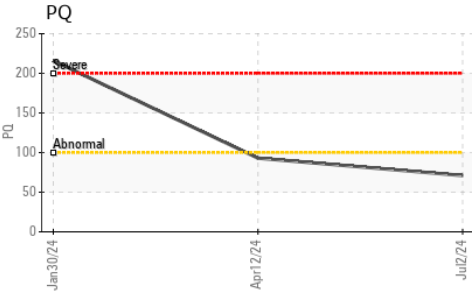
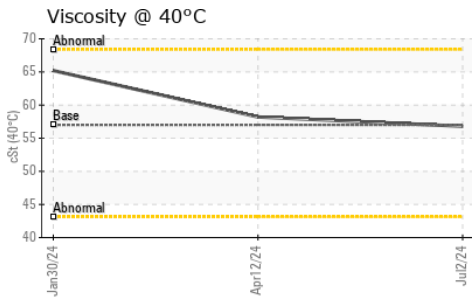
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	9	9	5
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	6	5	15
Boron	ppm	ASTM D5185m	6	27	36	112
Barium	ppm	ASTM D5185m	0	0	4	1
Molybdenum	ppm	ASTM D5185m	0	0	2	0
Manganese	ppm	ASTM D5185m		17	22	42
Magnesium	ppm	ASTM D5185m	145	85	77	11
Calcium	ppm	ASTM D5185m	3570	3708	3816	3208
Phosphorus	ppm	ASTM D5185m	1290	1199	1027	1161
Zinc	ppm	ASTM D5185m	1640	1389	1170	1368
Sulfur	ppm	ASTM D5185m		4471	3969	3092
Visc @ 40°C	cSt	ASTM D445	57.0	56.8	58.2	65.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051165 **Received** : 08 Jul 2024
Lab Number : 06230475 **Tested** : 10 Jul 2024
Unique Number : 11113968 **Diagnosed** : 10 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

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