



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver [RO#148883]
Machine Id
JOHN DEERE 460P 1DW460PAEPFB06250
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		LEC0048866	LEC0046926	LEC0042620
Sample Date		Client Info		15 Apr 2024	24 Jan 2024	31 Aug 2023
Machine Age	hrs	Client Info		1636	1148	577
Oil Age	hrs	Client Info		1636	1148	577
Filter Age	hrs	Client Info		1059	571	577
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	18	15
Iron	ppm	ASTM D5185m	>750	37	46	20
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	2	2	3
Lead	ppm	ASTM D5185m	>49	7	4	4
Copper	ppm	ASTM D5185m	>101	52	40	30
Tin	ppm	ASTM D5185m	>10	4	2	2
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

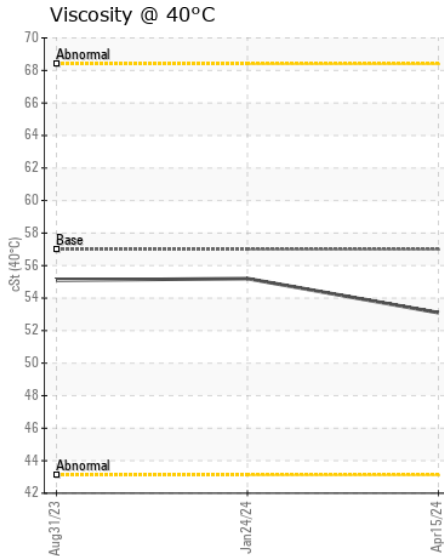
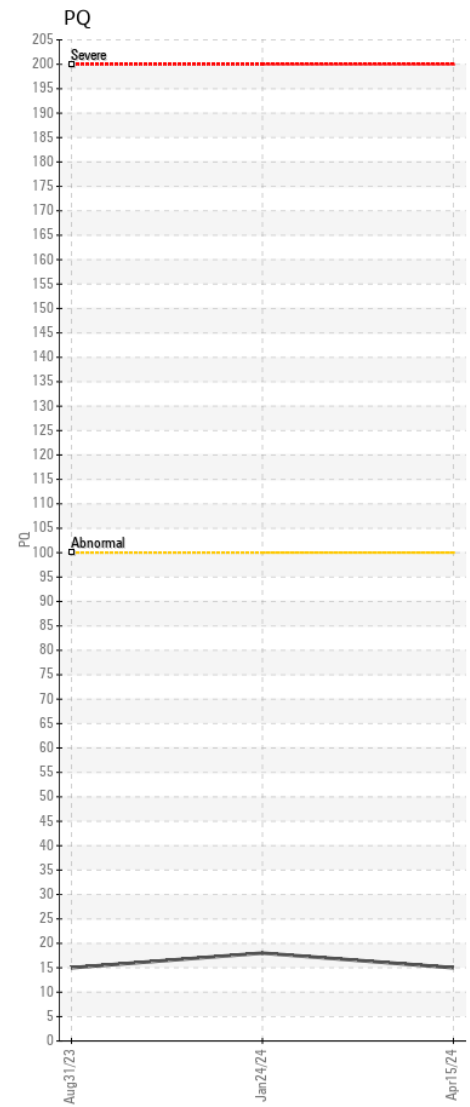
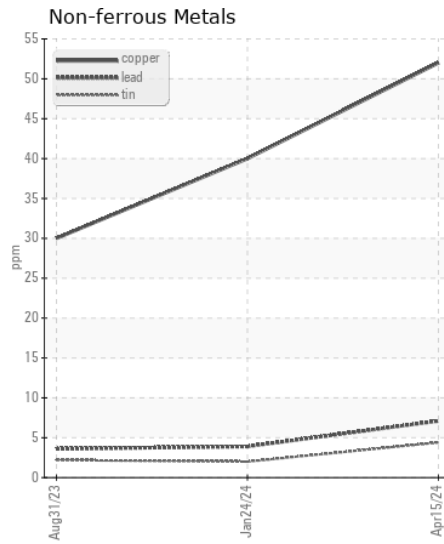
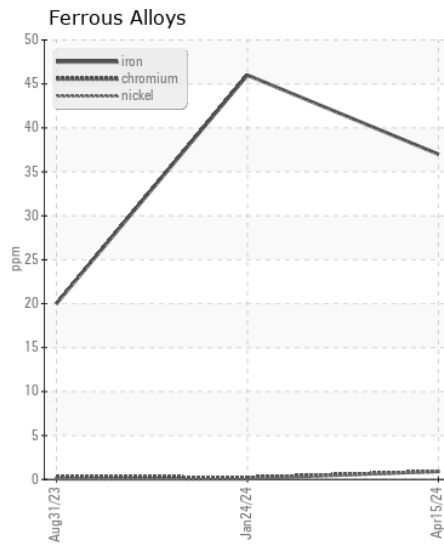
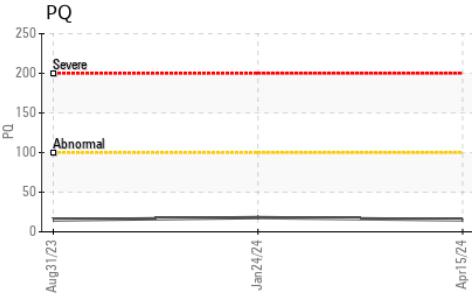
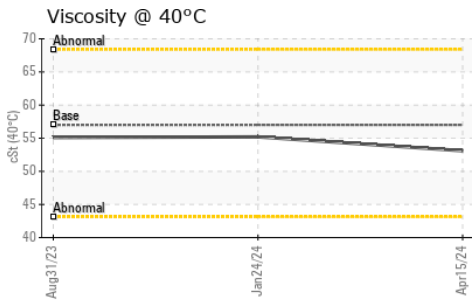
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>31	7	5	5
Potassium	ppm	ASTM D5185m	>20	2	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	3	0	2
Boron	ppm	ASTM D5185m	6	2	1	<1
Barium	ppm	ASTM D5185m	0	7	6	5
Molybdenum	ppm	ASTM D5185m	0	1	0	0
Manganese	ppm	ASTM D5185m		4	2	3
Magnesium	ppm	ASTM D5185m	145	151	110	104
Calcium	ppm	ASTM D5185m	3570	5112	3576	3734
Phosphorus	ppm	ASTM D5185m	1290	1705	1094	1079
Zinc	ppm	ASTM D5185m	1640	1878	1330	1301
Sulfur	ppm	ASTM D5185m		6264	4518	3849
Visc @ 40°C	cSt	ASTM D445	57.0	53.1	55.2	55.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048866 **Received** : 18 Apr 2024
Lab Number : 06153358 **Tested** : 19 Apr 2024
Unique Number : 10983436 **Diagnosed** : 22 Apr 2024 - Sean Felton
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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