



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver [RO#152504]
Machine Id
JOHN DEERE 460P 1DW460PACPF06217
Component
Middle Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (16 GAL)

RECOMMENDATION

The oil 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		LEC0051168	LEC0048861	LEC0047319
Sample Date		Client Info		03 Jul 2024	15 Apr 2024	04 Jan 2024
Machine Age	hrs	Client Info		2219	1653	1036
Oil Age	hrs	Client Info		2219	1653	1036
Filter Age	hrs	Client Info		2219	1653	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		20	16	21
Iron	ppm	ASTM D5185m	>1501	44	40	26
Chromium	ppm	ASTM D5185m	>11	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	2	<1
Lead	ppm	ASTM D5185m	>51	18	14	11
Copper	ppm	ASTM D5185m	>101	72	51	36
Tin	ppm	ASTM D5185m	>10	5	5	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

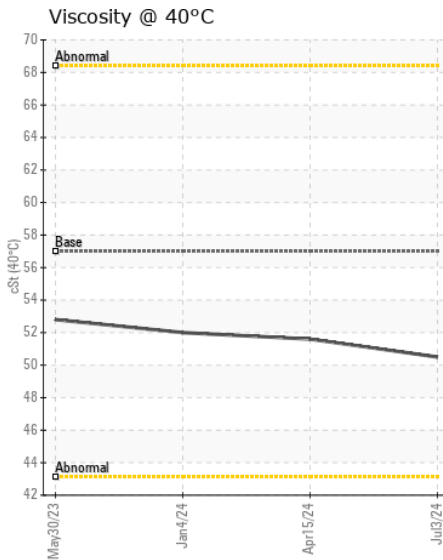
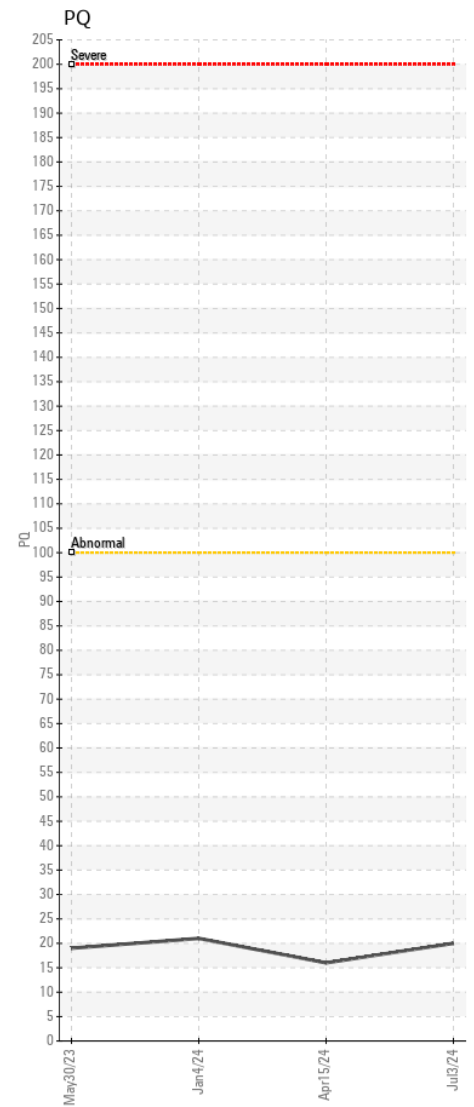
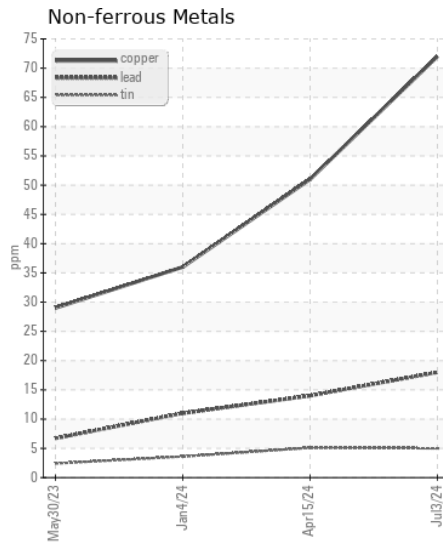
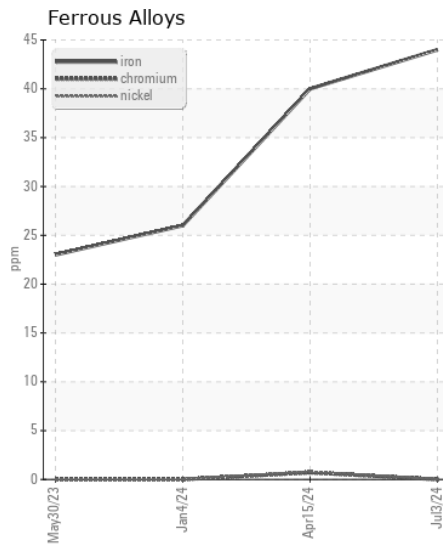
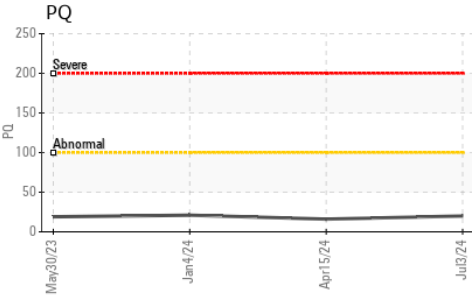
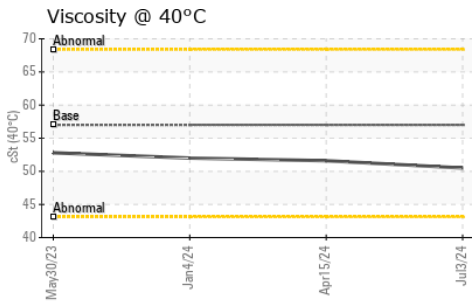
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>31	4	6	4
Potassium	ppm	ASTM D5185m	>20	<1	3	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	6	2	4
Boron	ppm	ASTM D5185m	6	<1	0	2
Barium	ppm	ASTM D5185m	0	5	7	3
Molybdenum	ppm	ASTM D5185m	0	0	1	0
Manganese	ppm	ASTM D5185m		1	2	1
Magnesium	ppm	ASTM D5185m	145	93	99	99
Calcium	ppm	ASTM D5185m	3570	3503	3503	3354
Phosphorus	ppm	ASTM D5185m	1290	1049	1095	1024
Zinc	ppm	ASTM D5185m	1640	1185	1240	1211
Sulfur	ppm	ASTM D5185m		4015	4052	3473
Visc @ 40°C	cSt	ASTM D445	57.0	50.5	51.6	52.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051168 **Received** : 09 Jul 2024
Lab Number : 06231744 **Tested** : 10 Jul 2024
Unique Number : 11115237 **Diagnosed** : 11 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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)

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