



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville [140350]
Machine Id
JOHN DEERE 260E 1DW260ETHJF693225
Component
Center Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0042246	LEC0035350	LEC0029432
Sample Date		Client Info		22 Jun 2023	11 Oct 2022	23 Jun 2022
Machine Age	hrs	Client Info		3855	3221	2608
Oil Age	hrs	Client Info		1892	1258	645
Filter Age	hrs	Client Info		634	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		193	69	256
Iron	ppm	ASTM D5185m	>1501	735	469	736
Chromium	ppm	ASTM D5185m	>11	3	2	4
Nickel	ppm	ASTM D5185m	>10	4	1	5
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	3	3	6
Lead	ppm	ASTM D5185m	>51	<1	0	<1
Copper	ppm	ASTM D5185m	>101	▲ 102	73	▲ 153
Tin	ppm	ASTM D5185m	>10	4	3	7
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

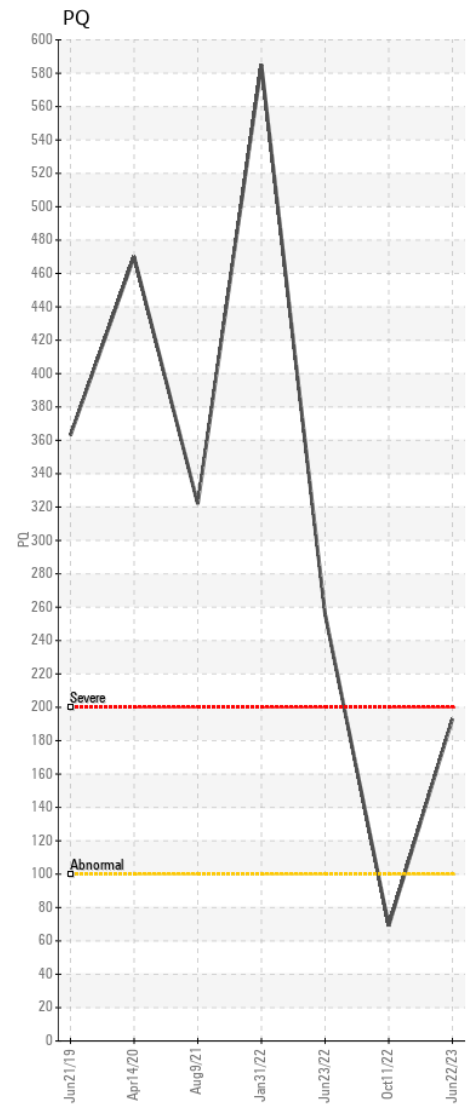
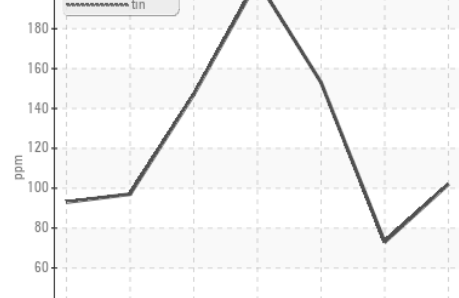
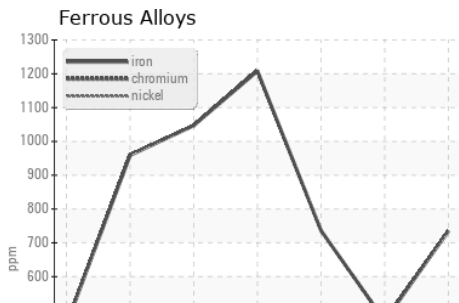
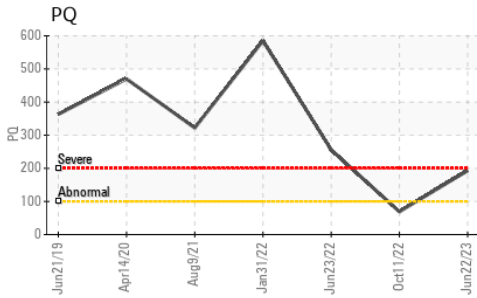
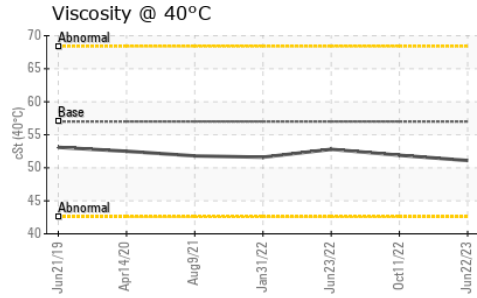
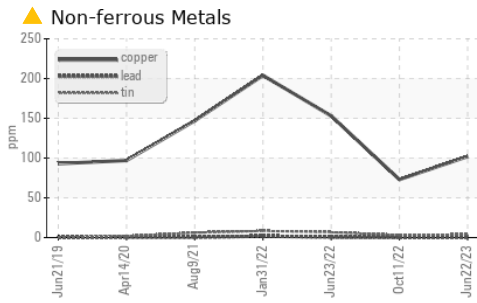
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	17	13	22
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	3	4
Boron	ppm	ASTM D5185m	6	14	11	21
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	8	5	8
Manganese	ppm	ASTM D5185m		14	10	17
Magnesium	ppm	ASTM D5185m	145	94	96	100
Calcium	ppm	ASTM D5185m	3570	3532	3465	3465
Phosphorus	ppm	ASTM D5185m	1290	1035	986	1054
Zinc	ppm	ASTM D5185m	1640	1250	1206	1239
Sulfur	ppm	ASTM D5185m		4196	4043	3401
Visc @ 40°C	cSt	ASTM D445	57.0	51.1	51.9	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0042246 **Received** : 28 Jun 2023
Lab Number : 05885832 **Tested** : 29 Jun 2023
Unique Number : 10536315 **Diagnosed** : 02 Jul 2023 - 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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