



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 1 - Cowen [RO#147626]
Machine Id
JOHN DEERE 850K 1T0850KXCEE259008
Component
Left Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0046867	LEC0041454	LECP185313
Sample Date		Client Info		09 Feb 2024	13 Jun 2023	27 Jan 2019
Machine Age	hrs	Client Info		7356	6318	4318
Oil Age	hrs	Client Info		1038	2372	372
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	48	167	340
Iron	ppm	ASTM D5185m	>750	135	472	404
Chromium	ppm	ASTM D5185m	>9	1	4	4
Nickel	ppm	ASTM D5185m	>10	1	3	4
Titanium	ppm	ASTM D5185m		<1	1	5
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	8	▲ 22	▲ 69
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

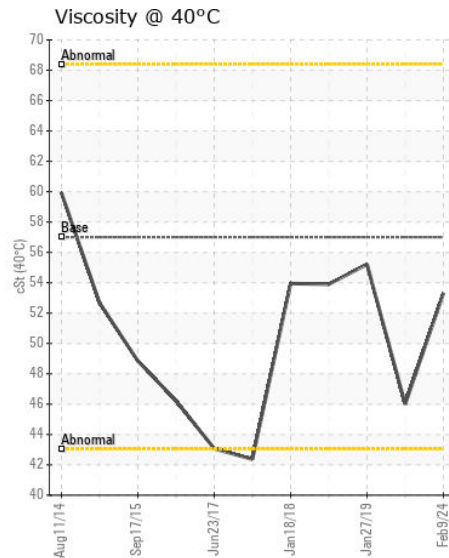
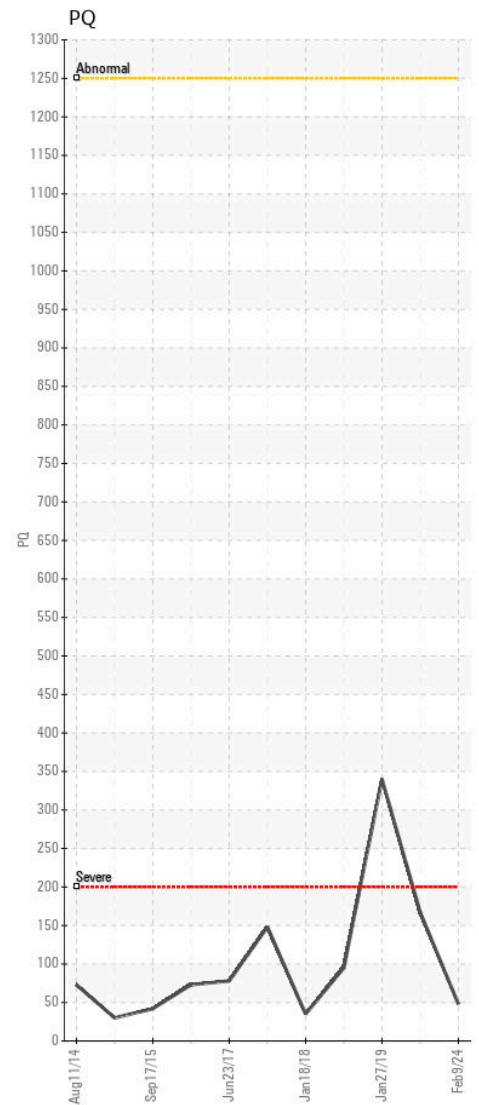
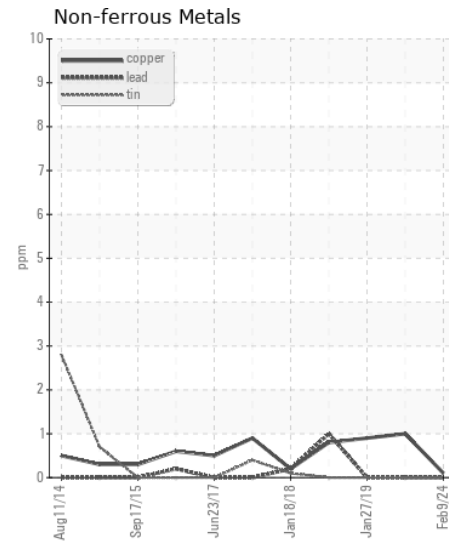
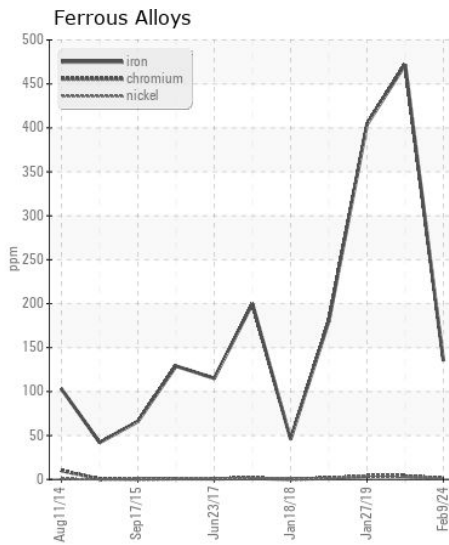
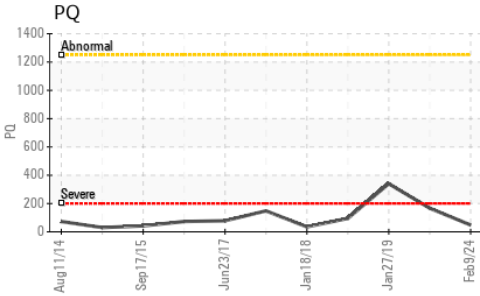
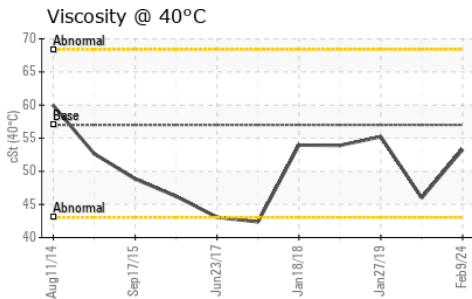
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	46	▲ 89	● 247
Potassium	ppm	ASTM D5185m	>20	<1	8	16
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	2	4
Boron	ppm	ASTM D5185m	6	9	<1	16
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	8	2	12
Manganese	ppm	ASTM D5185m		1	4	3
Magnesium	ppm	ASTM D5185m	145	112	109	144
Calcium	ppm	ASTM D5185m	3570	3203	3661	3277
Phosphorus	ppm	ASTM D5185m	1290	900	1092	979
Zinc	ppm	ASTM D5185m	1640	1202	1323	1167
Sulfur	ppm	ASTM D5185m		3259	4243	3111
Visc @ 40°C	cSt	ASTM D445	57.0	53.3	46.0	55.22



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046867 **Received** : 14 Feb 2024
Lab Number : 06089044 **Tested** : 15 Feb 2024
Unique Number : 10876489 **Diagnosed** : 15 Feb 2024 - Wes Davis
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) F: (740)373-5570