



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville [RO#152619]
Machine Id
JOHN DEERE 160G 1FF160GXAKF057758
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051175	LEC0040609	LEC0035263
Sample Date		Client Info		27 Jun 2024	16 May 2023	30 Sep 2022
Machine Age	hrs	Client Info		3105	1890	1339
Oil Age	hrs	Client Info		1215	1079	528
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		21	19	7
Iron	ppm	ASTM D5185m	>151	66	▲ 323	33
Chromium	ppm	ASTM D5185m	>11	1	6	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	5	7	7
Lead	ppm	ASTM D5185m	>51	0	<1	0
Copper	ppm	ASTM D5185m	>51	2	<1	0
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

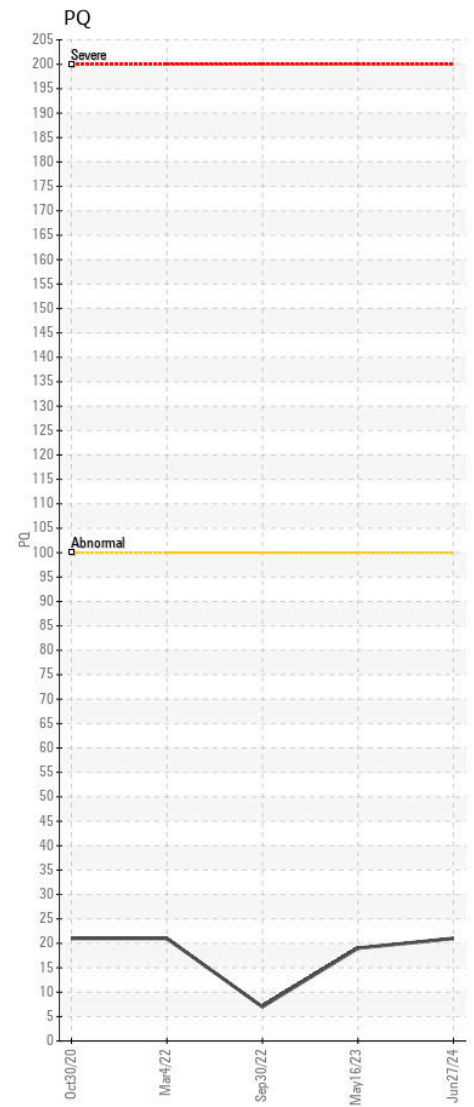
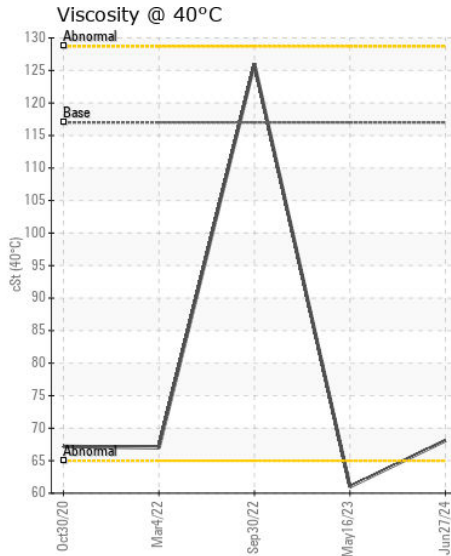
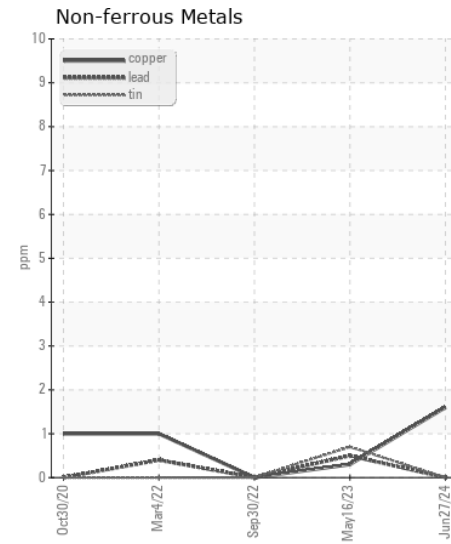
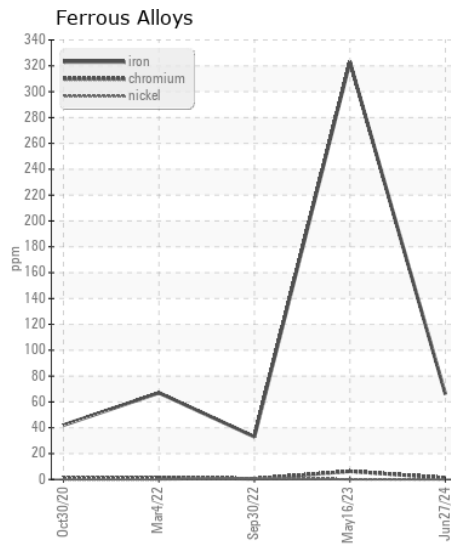
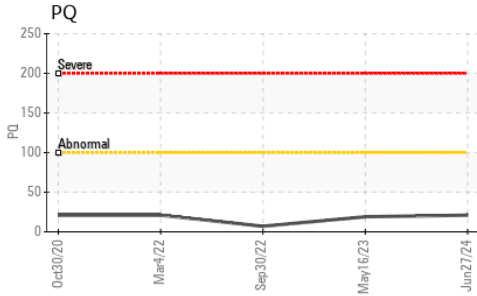
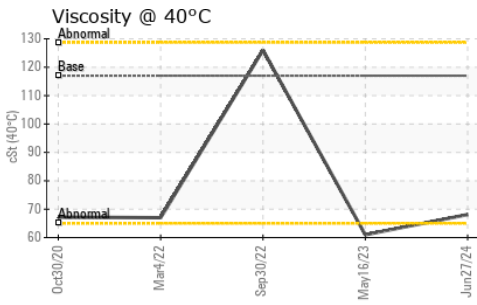
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	14	▲ 32	30
Potassium	ppm	ASTM D5185m	>20	<1	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	6	6	2
Boron	ppm	ASTM D5185m		298	199	271
Barium	ppm	ASTM D5185m		1	5	0
Molybdenum	ppm	ASTM D5185m		255	135	224
Manganese	ppm	ASTM D5185m		1	6	<1
Magnesium	ppm	ASTM D5185m		826	226	716
Calcium	ppm	ASTM D5185m		1762	3656	1309
Phosphorus	ppm	ASTM D5185m		1028	1284	792
Zinc	ppm	ASTM D5185m		1092	1484	958
Sulfur	ppm	ASTM D5185m		3602	8182	3061
Visc @ 40°C	cSt	ASTM D445	117	68.1	61.0	126



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051175 **Received** : 05 Jul 2024
Lab Number : 06228970 **Tested** : 08 Jul 2024
Unique Number : 11112463 **Diagnosed** : 08 Jul 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)

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