



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL



Area
Store 8 - Pikeville [138639]
Machine Id
JOHN DEERE 250G 1FF250GXALF611602
Component
Left Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0040196	LEC0037014	LEC0032805
Sample Date		Client Info		03 May 2023	18 Nov 2022	05 Jul 2022
Machine Age	hrs	Client Info		2210	1682	1104
Oil Age	hrs	Client Info		528	578	519
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	None
Sample Status				SEVERE	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		399	113	180
Iron	ppm	ASTM D5185m	>1250	537	149	284
Chromium	ppm	ASTM D5185m	>10	5	2	4
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		5	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		▲ 60	6	23
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	<1	1
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

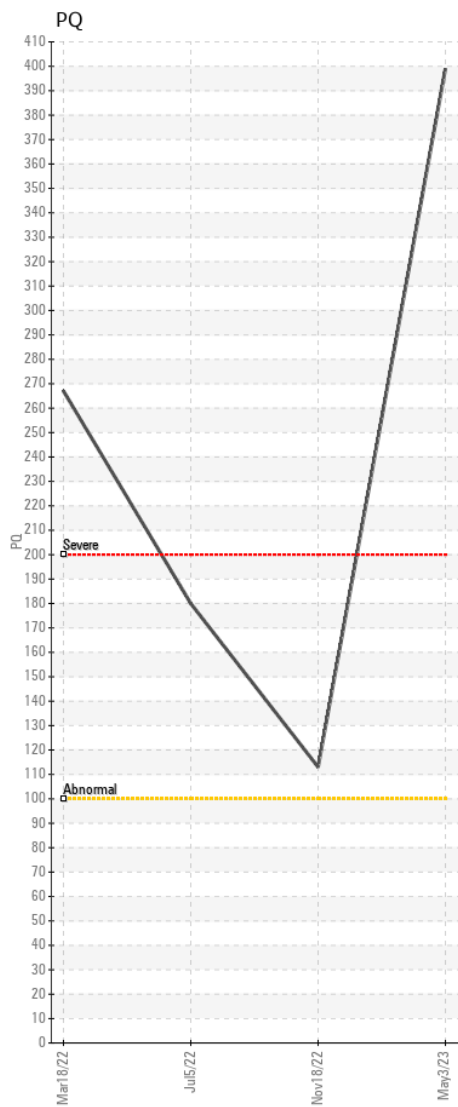
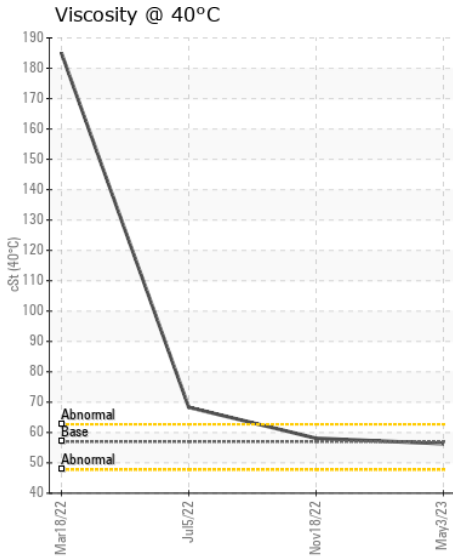
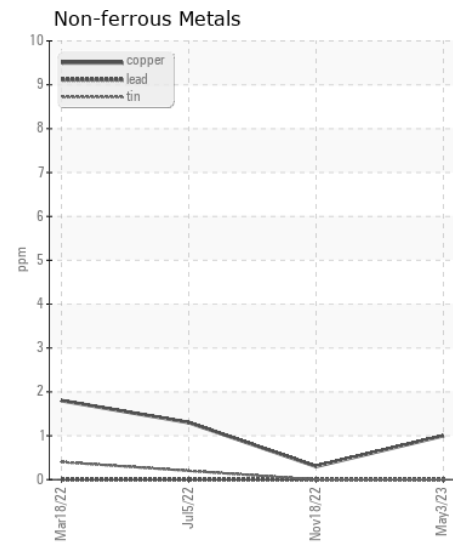
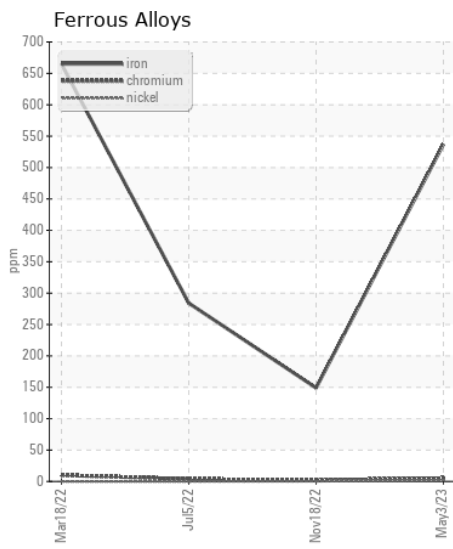
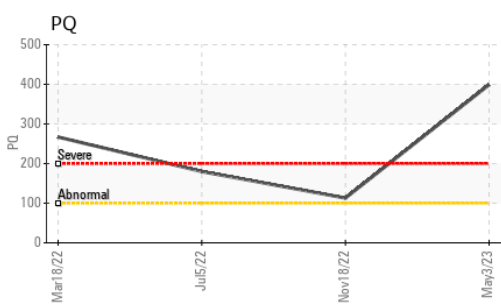
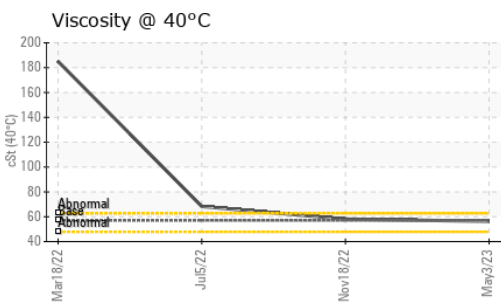
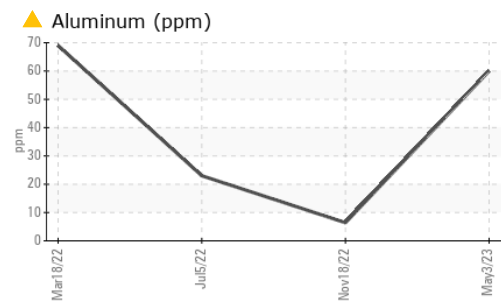
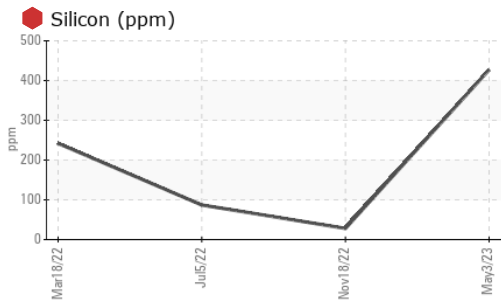
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		◆ 427	28	87
Potassium	ppm	ASTM D5185m	>20	16	0	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		2	<1	2
Boron	ppm	ASTM D5185m	6	5	8	35
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	3	2
Manganese	ppm	ASTM D5185m		5	2	4
Magnesium	ppm	ASTM D5185m	145	105	103	86
Calcium	ppm	ASTM D5185m	3570	3232	3183	2794
Phosphorus	ppm	ASTM D5185m	1290	939	923	884
Zinc	ppm	ASTM D5185m	1640	1202	1170	981
Sulfur	ppm	ASTM D5185m		3281	3940	6278
Visc @ 40°C	cSt	ASTM D445	57.0	56.3	▲ 58.1	▲ 68.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0040196 **Received** : 05 May 2023
Lab Number : 05839457 **Diagnosed** : 09 May 2023
Unique Number : 10458260 **Diagnostician** : 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
 T:
 F: (740)373-5570

Certificate L2367
 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)