



OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**Store 4 - Fairmont**  
 Machine Id  
**JOHN DEERE 60G EX-3 (S/N J288179)**  
 Component  
**Right Final Drive**  
 Fluid  
**GEAR OIL SAE 90 (0 GAL)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047704	LEC0014346	LECP189793
Sample Date		Client Info		18 Dec 2023	05 Aug 2020	22 May 2019
Machine Age	hrs	Client Info		1398	919	487
Oil Age	hrs	Client Info		500	500	483
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Changed
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

**WEAR**

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>1250	559	939	2619
Iron	ppm	ASTM D5185m	>750	992	3617	2148
Chromium	ppm	ASTM D5185m	>9	10	46	39
Nickel	ppm	ASTM D5185m	>10	<1	11	6
Titanium	ppm	ASTM D5185m		4	13	11
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	45	177	156
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	12	8
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

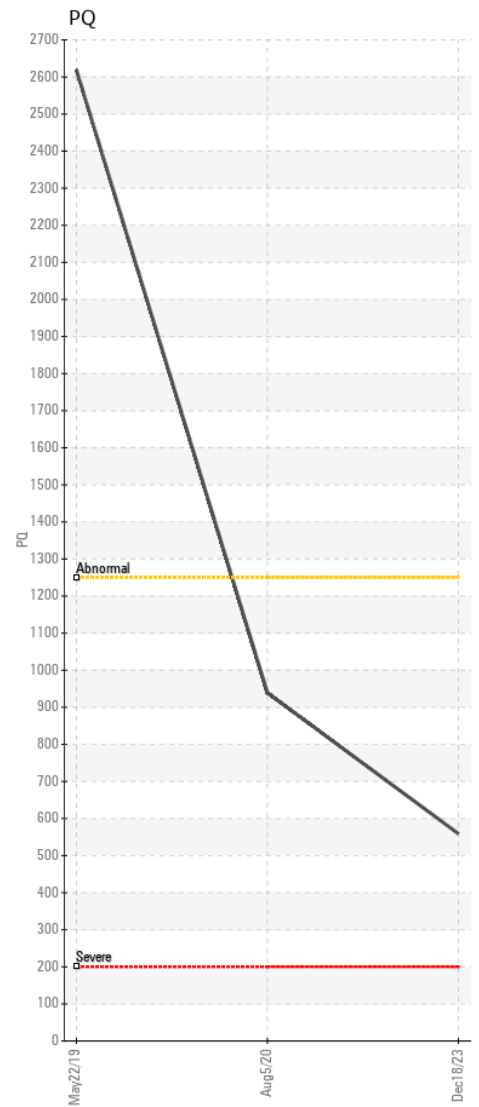
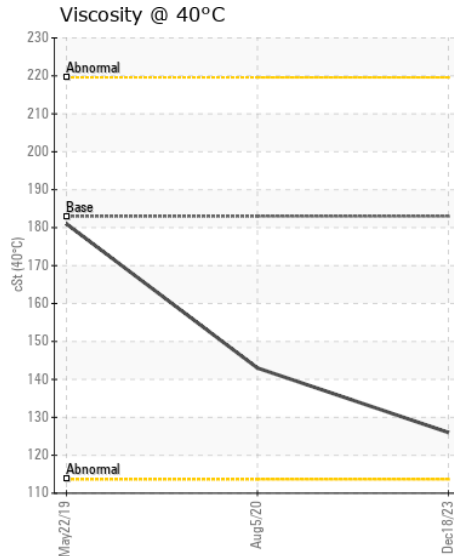
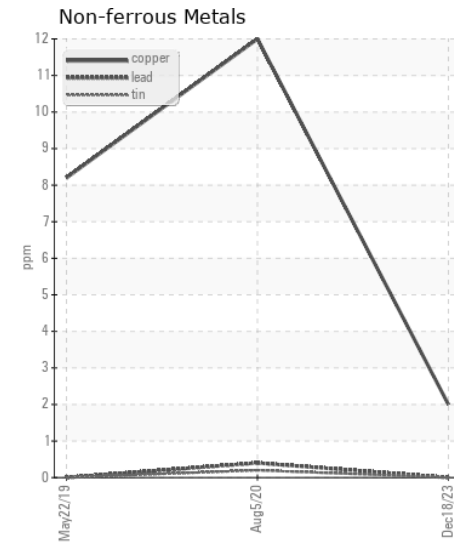
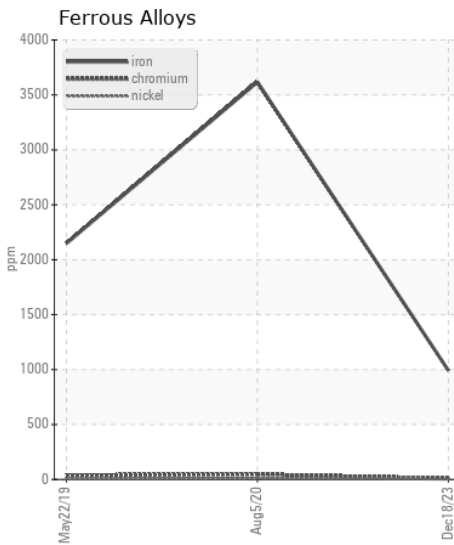
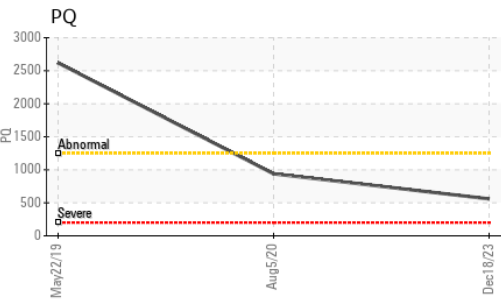
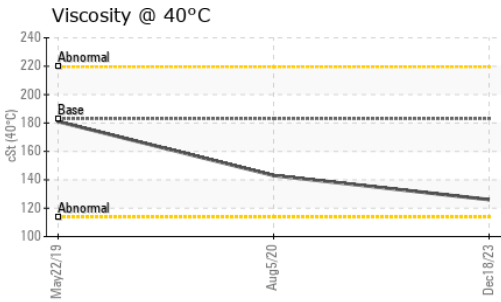
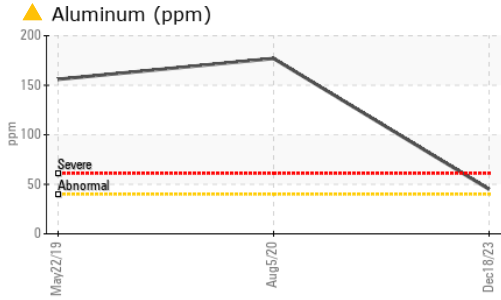
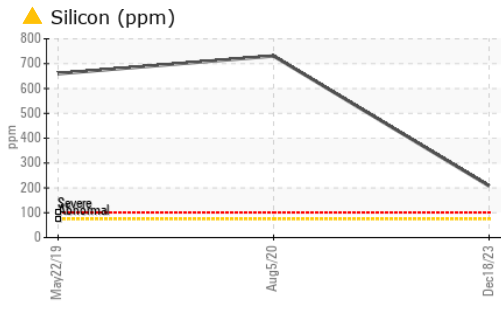
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	208	731	660
Potassium	ppm	ASTM D5185m	>20	11	42	40
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	2	11	12
Boron	ppm	ASTM D5185m	400	136	134	42
Barium	ppm	ASTM D5185m	200	0	4	7
Molybdenum	ppm	ASTM D5185m	12	<1	3	0
Manganese	ppm	ASTM D5185m		8	35	32
Magnesium	ppm	ASTM D5185m	12	19	17	14
Calcium	ppm	ASTM D5185m	150	432	61	33
Phosphorus	ppm	ASTM D5185m	1650	1009	1027	365
Zinc	ppm	ASTM D5185m	125	174	151	120
Sulfur	ppm	ASTM D5185m	22500	17143	22035	14732
Visc @ 40°C	cSt	ASTM D445	183	126	143	181



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047704 **Received** : 17 Jan 2024  
**Lab Number** : 06063873 **Diagnosed** : 20 Jan 2024  
**Unique Number** : 10835255 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**LANE PIPELINE**  
 2946 E MAIN ST  
 BRIDGEPORT, WV  
 US 26330

Contact: JESSE WILBURN  
 jessewilburn@gmail.com

T: (740)440-0927

F: