



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 88576 (S/N 731157)
Component
Pump Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044587	LEC0032740	LEC0029844
Sample Date		Client Info		19 Mar 2024	28 Sep 2022	20 Apr 2022
Machine Age	hrs	Client Info		2277	1368	1011
Oil Age	hrs	Client Info		2277	500	1011
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		15	15	27
Iron	ppm	ASTM D5185m	>151	107	85	87
Chromium	ppm	ASTM D5185m	>11	3	4	3
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	3	3	3
Lead	ppm	ASTM D5185m	>51	<1	1	<1
Copper	ppm	ASTM D5185m	>51	3	2	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

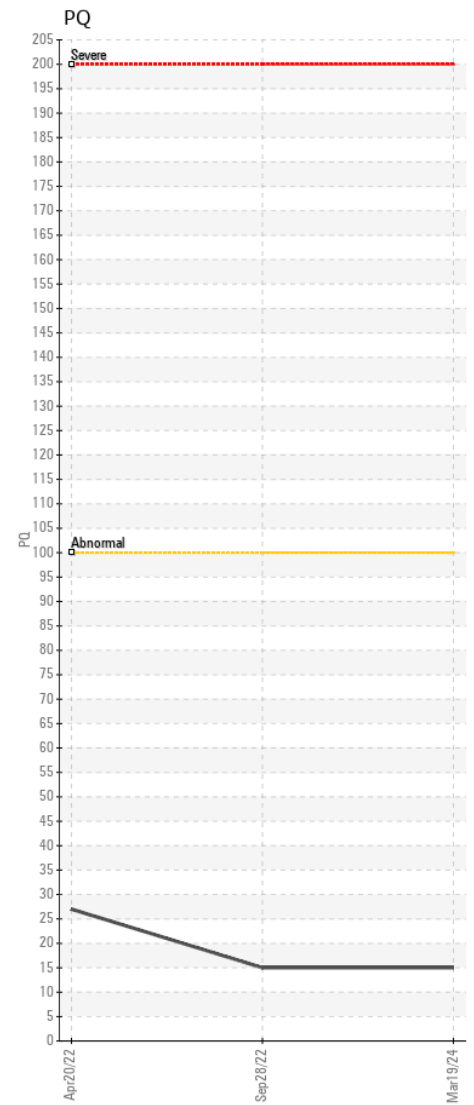
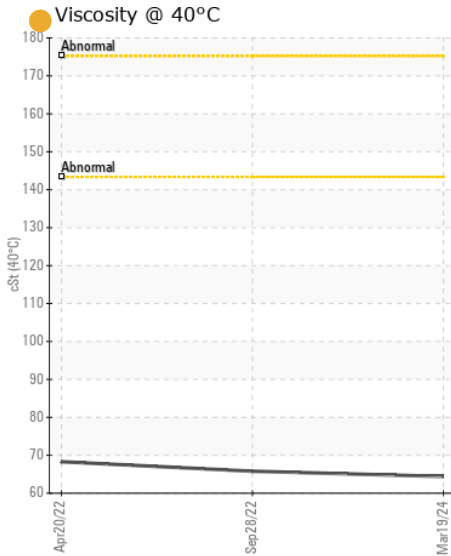
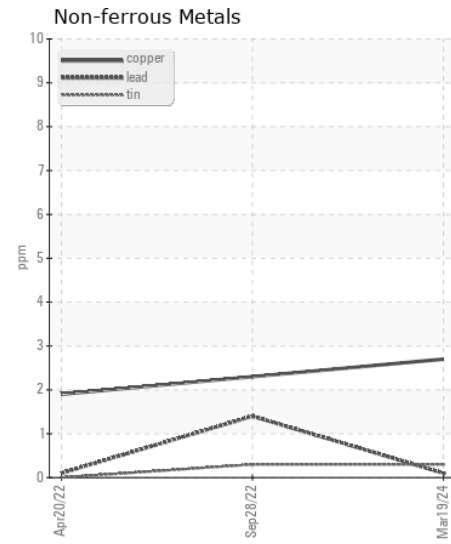
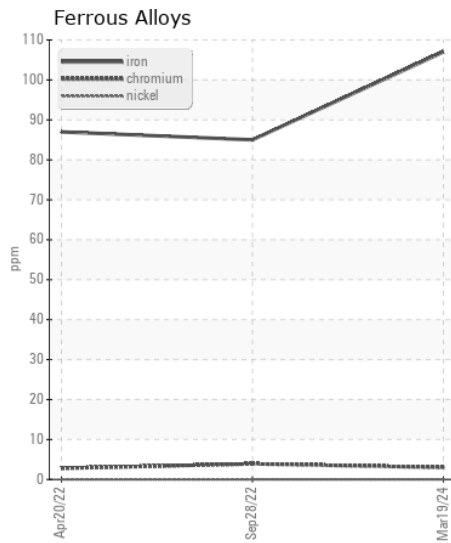
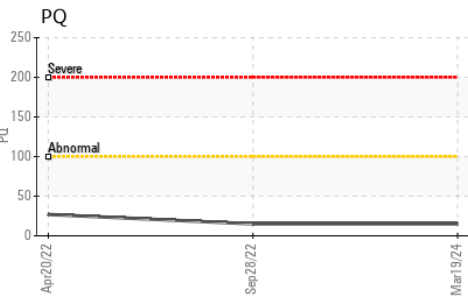
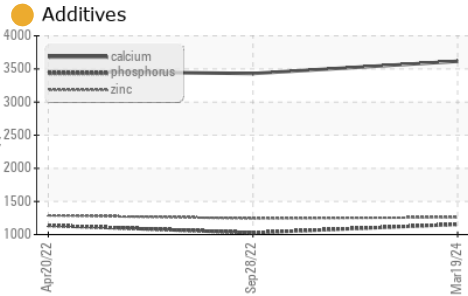
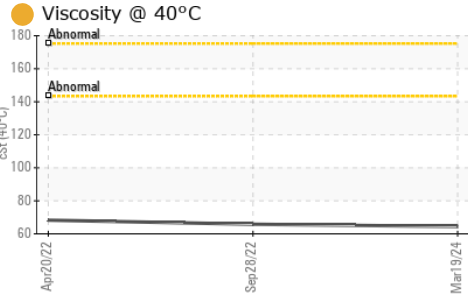
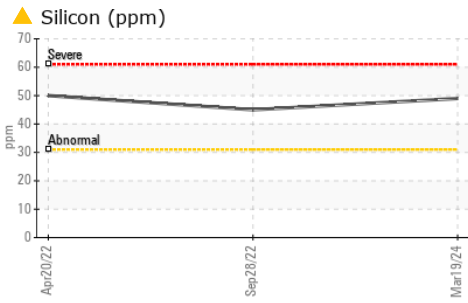
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 49	▲ 45	50
Potassium	ppm	ASTM D5185m	>20	4	0	3
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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	1	2	3
Boron	ppm	ASTM D5185m		● 138	136	149
Barium	ppm	ASTM D5185m		15	13	0
Molybdenum	ppm	ASTM D5185m		● 105	97	98
Manganese	ppm	ASTM D5185m		7	8	7
Magnesium	ppm	ASTM D5185m		● 111	120	114
Calcium	ppm	ASTM D5185m		● 3616	3431	3466
Phosphorus	ppm	ASTM D5185m		● 1154	1028	1137
Zinc	ppm	ASTM D5185m		● 1260	1244	1289
Sulfur	ppm	ASTM D5185m		● 8734	7585	5802
Visc @ 40°C	cSt	ASTM D445		● 64.4	● 65.8	● 68.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0044587 **Received** : 21 Mar 2024
Lab Number : 06125174 **Tested** : 25 Mar 2024
Unique Number : 10939325 **Diagnosed** : 25 Mar 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

BRIDGEPORT EQUIPMENT & TOOL
 15 ACME ST
 MARIETTA, OH
 US 45750
 Contact: ROBBIE CLIFTON
 rclifton@bridgeportequip.com
 T: (740)373-6686
 F: (740)373-3895

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)