



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 750 E229
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

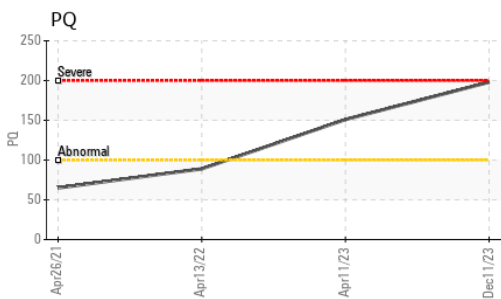
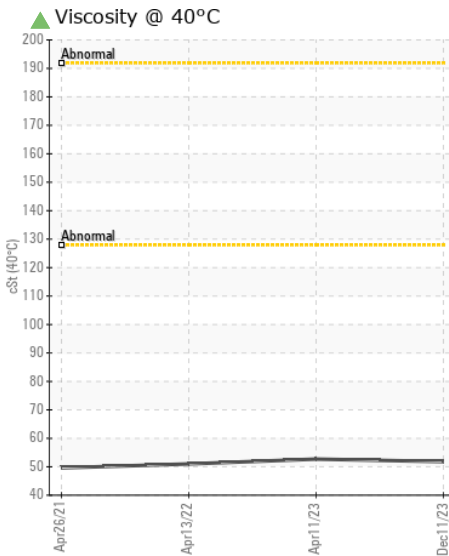
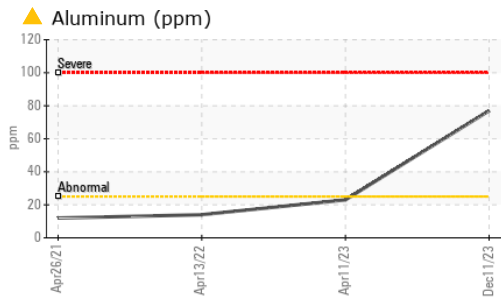
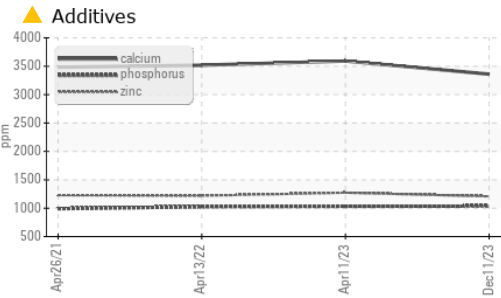
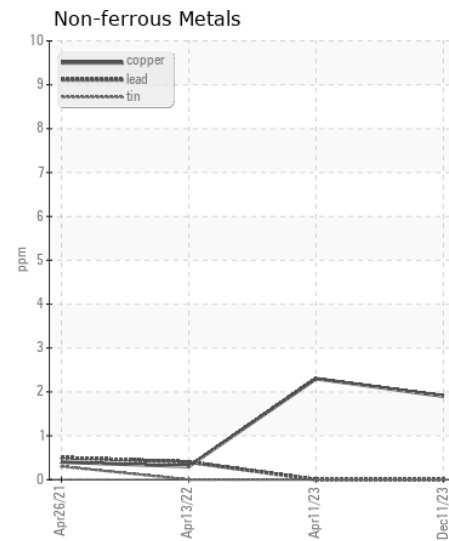
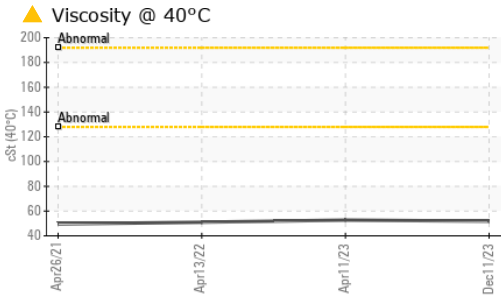
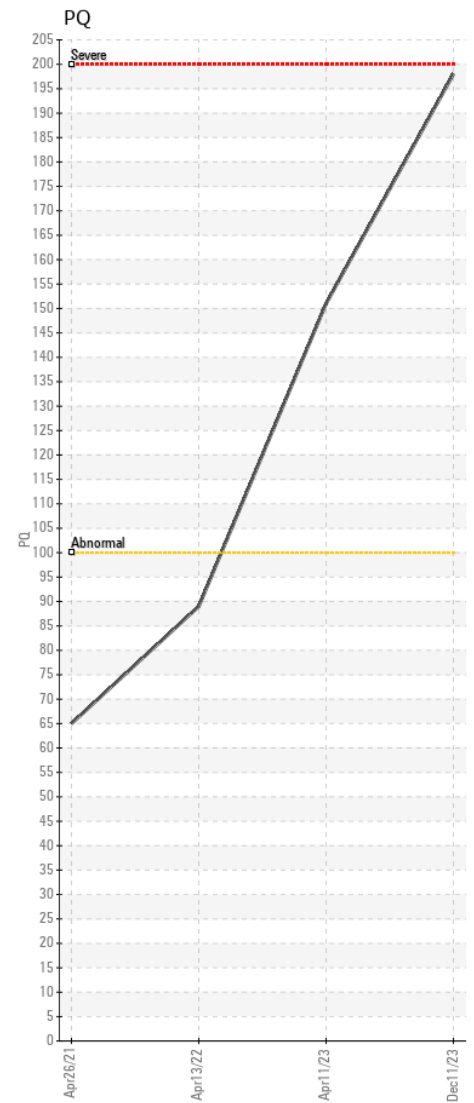
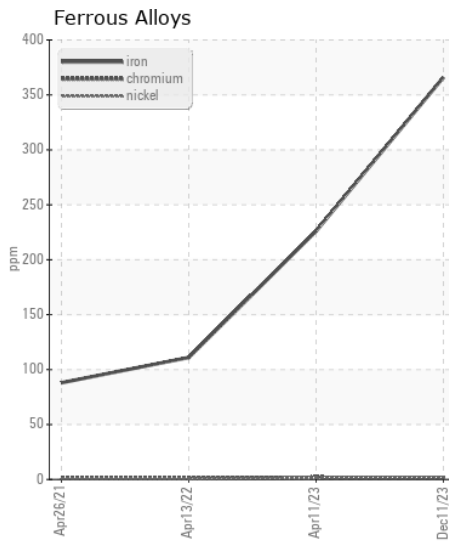
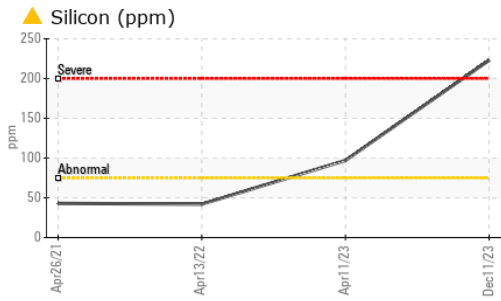
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192607	JR0155352	JR0114312
Sample Date		Client Info		11 Dec 2023	11 Apr 2023	13 Apr 2022
Machine Age	hrs	Client Info		5787	5787	4931
Oil Age	hrs	Client Info		856	856	923
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

PQ		ASTM D8184		198	151	89
Iron	ppm	ASTM D5185m	>500	366	226	111
Chromium	ppm	ASTM D5185m	>10	1	2	1
Nickel	ppm	ASTM D5185m	>10	2	2	<1
Titanium	ppm	ASTM D5185m		3	1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	▲ 77	▲ 23	14
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	2	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 223	▲ 97	42
Potassium	ppm	ASTM D5185m	>20	13	6	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		5	0	2
Boron	ppm	ASTM D5185m		▲ 16	2	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		▲ 99	100	108
Calcium	ppm	ASTM D5185m		▲ 3360	3591	3518
Phosphorus	ppm	ASTM D5185m		▲ 1036	1032	1026
Zinc	ppm	ASTM D5185m		▲ 1208	1273	1218
Sulfur	ppm	ASTM D5185m		▲ 4589	4282	3278
Visc @ 40°C	cSt	ASTM D445		▲ 51.8	52.7	51.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192607 **Received** : 08 Jan 2024
Lab Number : 06054225 **Diagnosed** : 09 Jan 2024
Unique Number : 10820174 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)