



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL

Machine Id
JOHN DEERE 368

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- 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. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

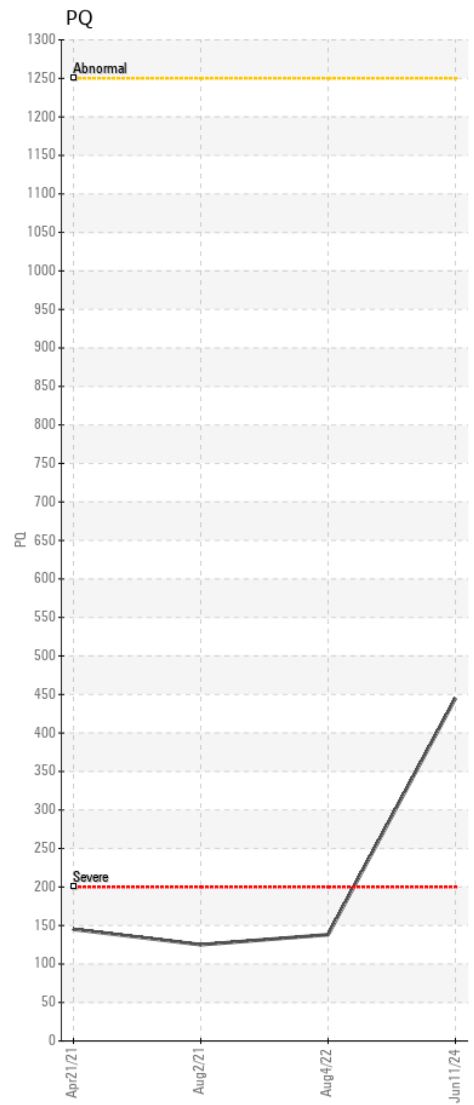
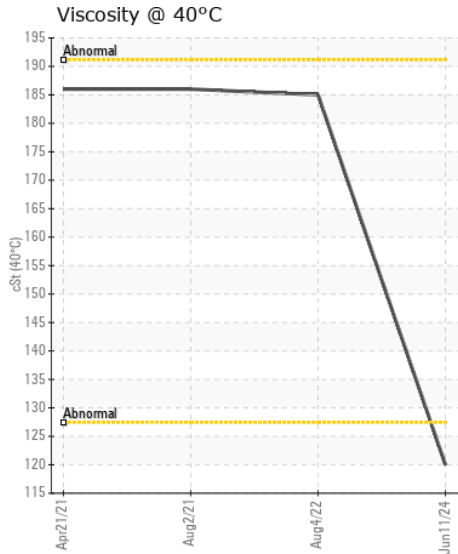
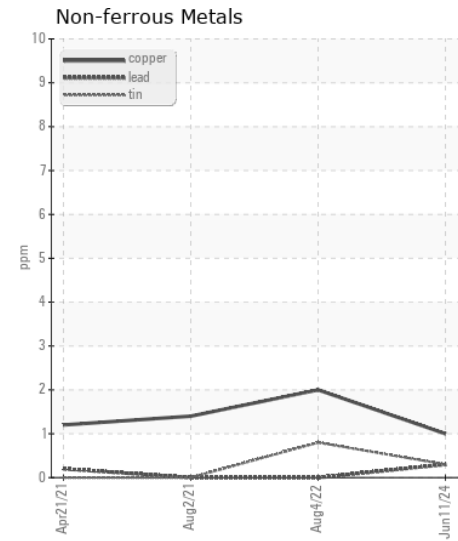
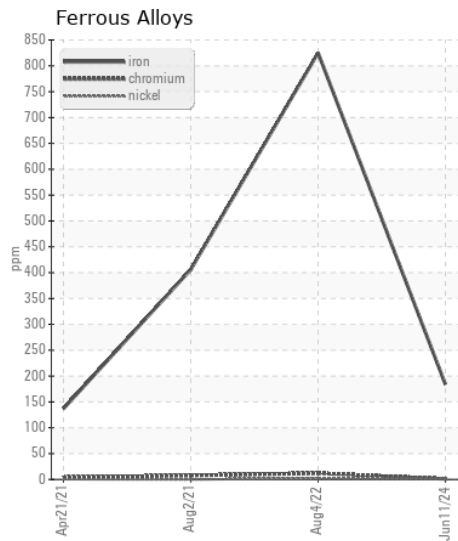
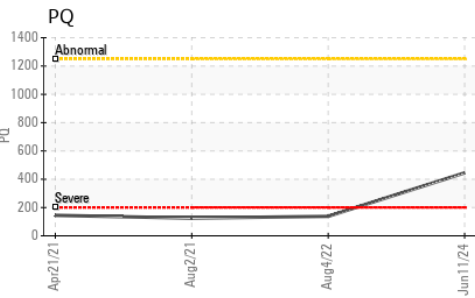
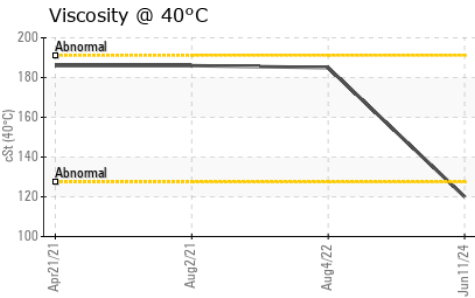
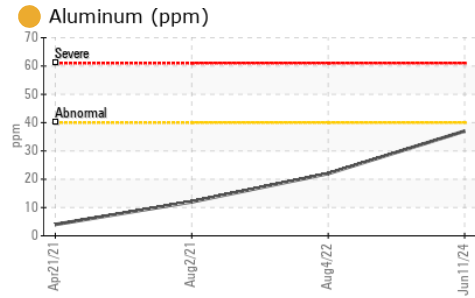
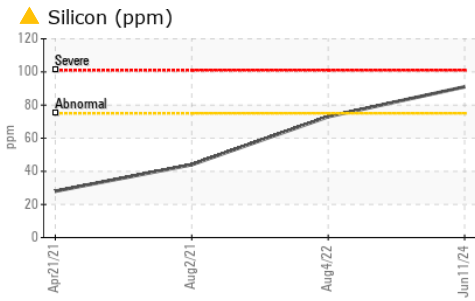
CONTAMINATION

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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217852	JR0139620	JR0095541
Sample Date		Client Info		11 Jun 2024	04 Aug 2022	02 Aug 2021
Machine Age	hrs	Client Info		5947	8356	935
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	445	138	125
Iron	ppm	ASTM D5185m	>750	184	825	406
Chromium	ppm	ASTM D5185m	>9	<1	12	8
Nickel	ppm	ASTM D5185m	>10	<1	2	0
Titanium	ppm	ASTM D5185m		3	1	<1
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>40	37	22	12
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	2	1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	91	73	44
Potassium	ppm	ASTM D5185m	>20	4	2	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m	>51	3	<1	1
Boron	ppm	ASTM D5185m		13	101	78
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		6	<1	<1
Manganese	ppm	ASTM D5185m		2	13	8
Magnesium	ppm	ASTM D5185m		28	0	2
Calcium	ppm	ASTM D5185m		63	24	39
Phosphorus	ppm	ASTM D5185m		440	526	512
Zinc	ppm	ASTM D5185m		97	27	19
Sulfur	ppm	ASTM D5185m		14706	15255	12864
Visc @ 40°C	cSt	ASTM D445		120	185	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217852 **Received** : 01 Jul 2024
Lab Number : 06224736 **Tested** : 02 Jul 2024
Unique Number : 11102933 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

TOTAL DEVELOPMENT SOLUTIONS LLC
 7805 PROGRESS CT
 GAINESVILLE, VA
 US 20155
 Contact: JOE SEALE

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)

T: (571)220-7763

F: (703)753-4586