



Machine Id
JOHN DEERE 85D 1FF085DXVCG017018
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- 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		JR0223081	JR0100298	JRMC416587
Sample Date		Client Info		11 Jul 2024	22 Jan 2022	11 May 2017
Machine Age	hrs	Client Info		9340	7650	3952
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	67	335	170
Iron	ppm	ASTM D5185m	>750	▲ 874	▲ 2364	402
Chromium	ppm	ASTM D5185m	>9	▲ 11	▲ 30	5
Nickel	ppm	ASTM D5185m	>10	4	8	5
Titanium	ppm	ASTM D5185m		3	8	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 38	● 133	12
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	3	5	1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

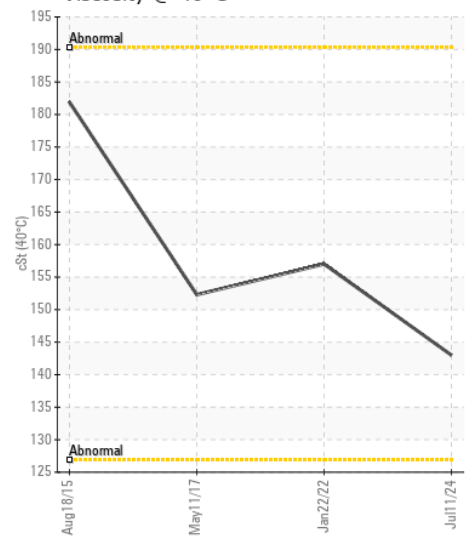
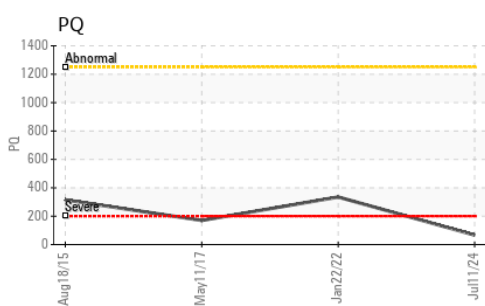
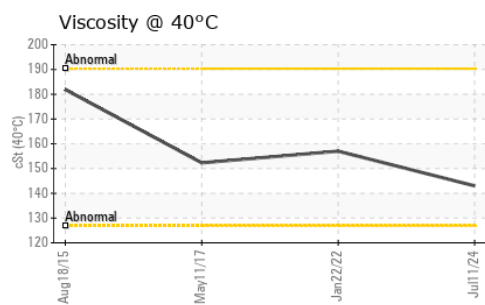
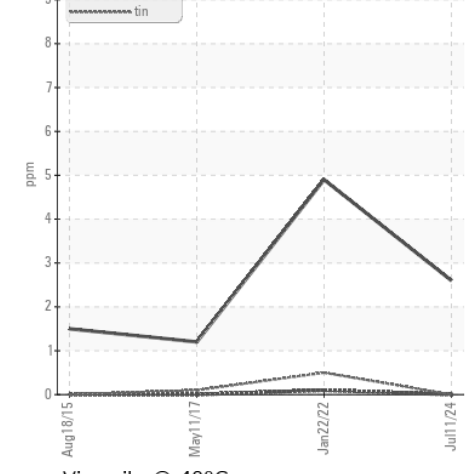
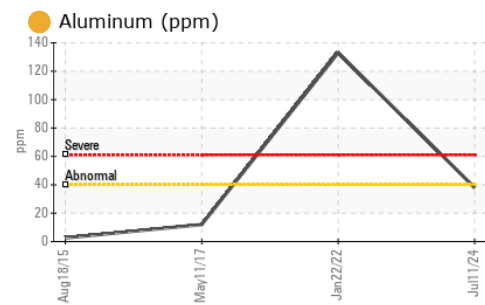
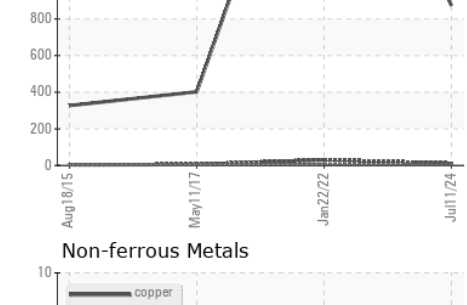
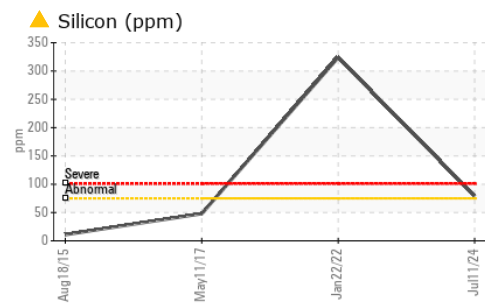
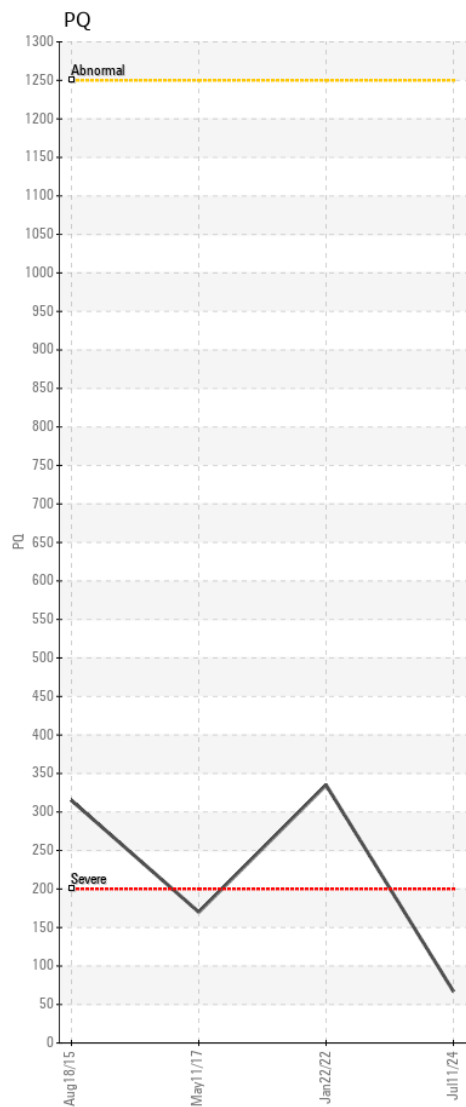
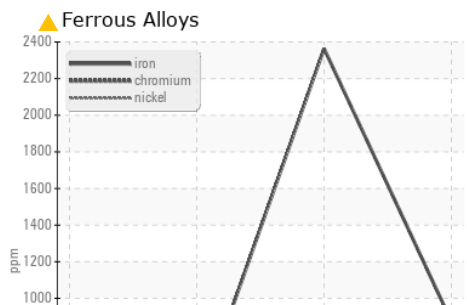
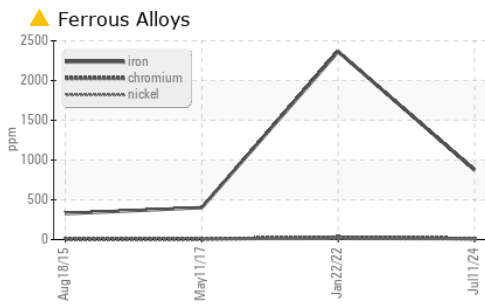
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 79	▲ 324	48
Potassium	ppm	ASTM D5185m	>20	4	3	2
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	1	12	2
Boron	ppm	ASTM D5185m		66	169	152
Barium	ppm	ASTM D5185m		0	5	16
Molybdenum	ppm	ASTM D5185m		1	2	0
Manganese	ppm	ASTM D5185m		8	27	4
Magnesium	ppm	ASTM D5185m		4	11	1
Calcium	ppm	ASTM D5185m		8	26	8
Phosphorus	ppm	ASTM D5185m		551	833	787
Zinc	ppm	ASTM D5185m		35	58	75
Sulfur	ppm	ASTM D5185m		16278	17479	20493
Visc @ 40°C	cSt	ASTM D445		143	157	152.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223081 **Received** : 12 Jul 2024
Lab Number : 06235190 **Tested** : 15 Jul 2024
Unique Number : 11124024 **Diagnosed** : 15 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)