



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 290737
 Component
Left Final 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		JR0222534	JR0130108	JR0112856
Sample Date		Client Info		26 Jun 2024	16 May 2022	06 May 2022
Machine Age	hrs	Client Info		2999	2343	2342
Oil Age	hrs	Client Info		656	2343	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	N/A
Filter Changed		Client Info		None	Changed	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	127	21	773
Iron	ppm	ASTM D5185m	>750	574	5	▲ 2869
Chromium	ppm	ASTM D5185m	>9	9	0	▲ 50
Nickel	ppm	ASTM D5185m	>10	4	0	10
Titanium	ppm	ASTM D5185m		1	0	11
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	15	0	● 120
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	3	0	9
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

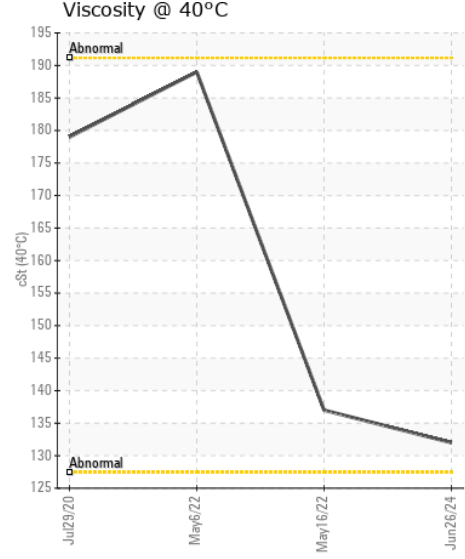
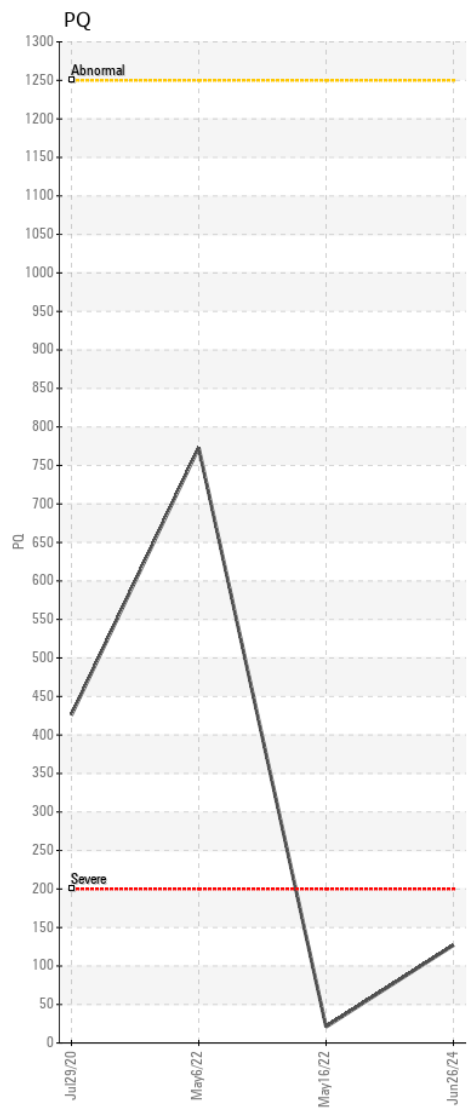
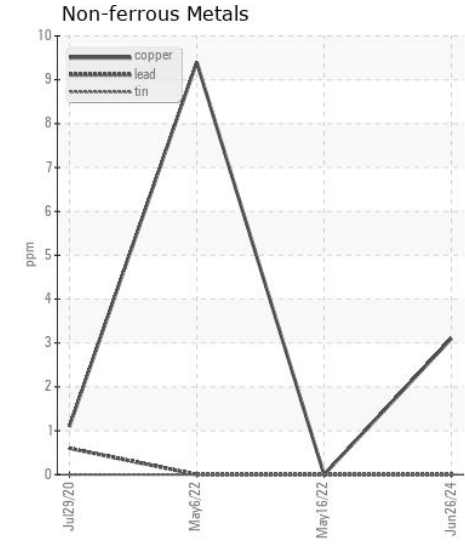
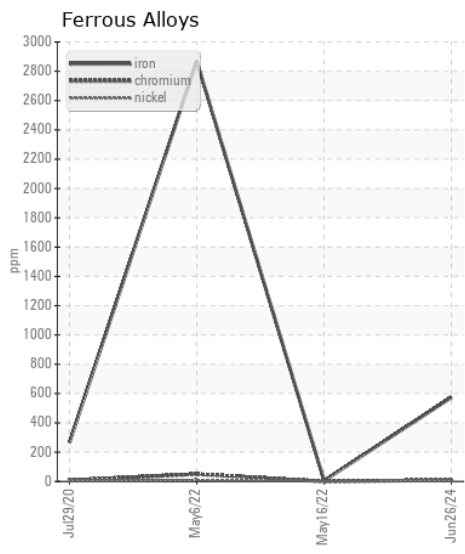
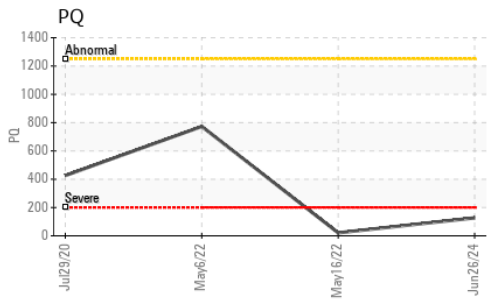
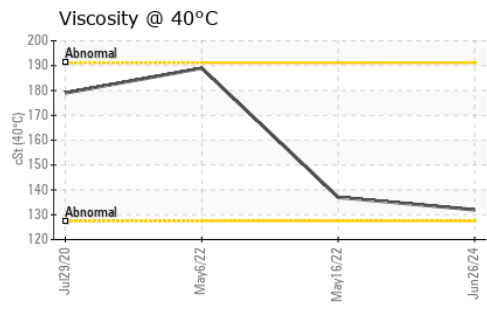
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	51	3	▲ 514
Potassium	ppm	ASTM D5185m	>20	7	<1	16
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	5	0	18
Boron	ppm	ASTM D5185m		12	3	55
Barium	ppm	ASTM D5185m		1	0	1
Molybdenum	ppm	ASTM D5185m		3	<1	2
Manganese	ppm	ASTM D5185m		8	0	37
Magnesium	ppm	ASTM D5185m		18	<1	12
Calcium	ppm	ASTM D5185m		30	2	46
Phosphorus	ppm	ASTM D5185m		373	414	474
Zinc	ppm	ASTM D5185m		92	0	208
Sulfur	ppm	ASTM D5185m		22508	18534	13999
Visc @ 40°C	cSt	ASTM D445		132	137	189



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222534 **Received** : 28 Jun 2024
Lab Number : 06223703 **Tested** : 01 Jul 2024
Unique Number : 11101900 **Diagnosed** : 01 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP

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)

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