



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKCKJ366267
 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. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208004	JR0185156	JR0149412
Sample Date		Client Info		16 Apr 2024	29 Aug 2023	24 Oct 2022
Machine Age	hrs	Client Info		3199	2697	2024
Oil Age	hrs	Client Info		1175	673	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	174	182	32
Iron	ppm	ASTM D5185m	>750	1107	1043	▲ 771
Chromium	ppm	ASTM D5185m	>9	13	12	▲ 10
Nickel	ppm	ASTM D5185m	>10	9	8	8
Titanium	ppm	ASTM D5185m		6	6	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 102	● 89	20
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	2	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

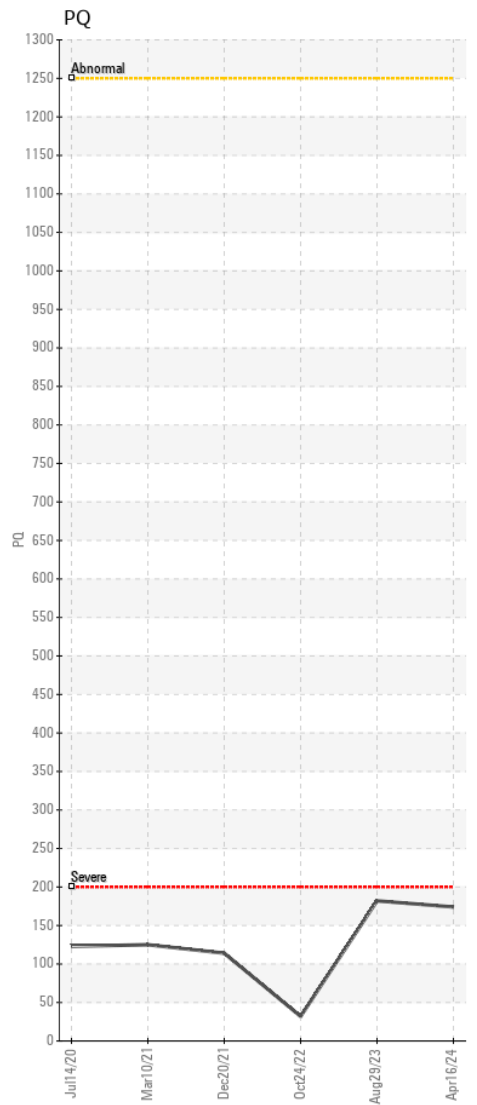
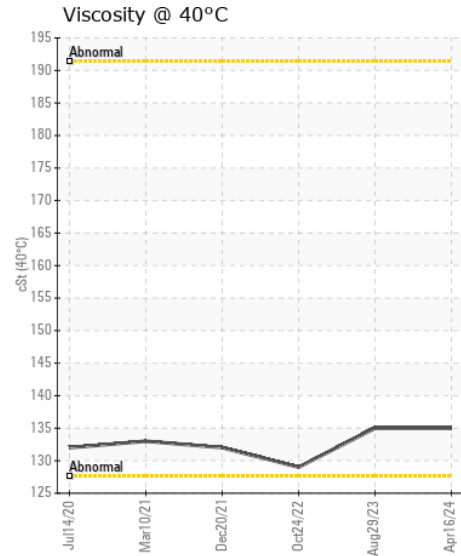
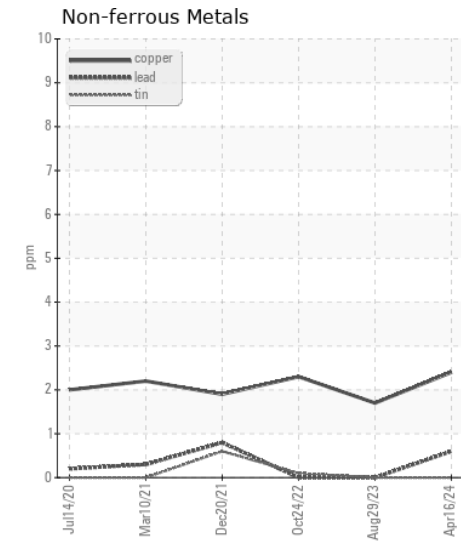
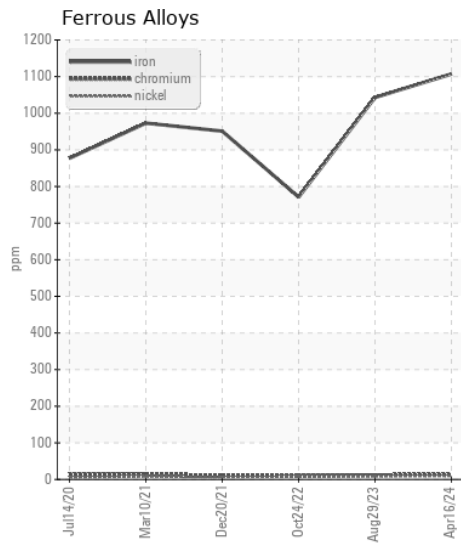
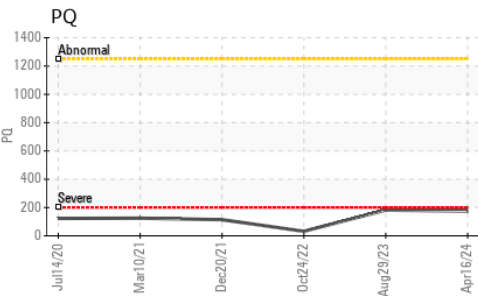
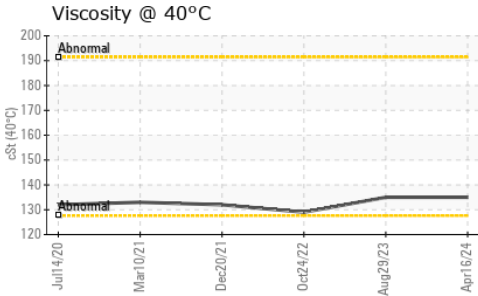
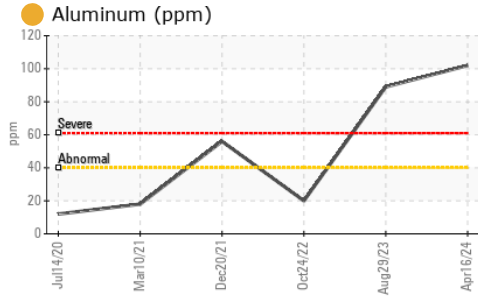
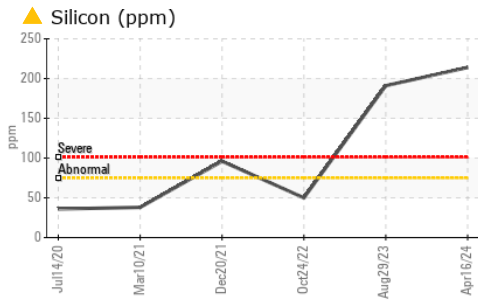
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 214	▲ 191	50
Potassium	ppm	ASTM D5185m	>20	31	29	18
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	7	5	6
Boron	ppm	ASTM D5185m		24	26	40
Barium	ppm	ASTM D5185m		12	14	29
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		12	12	9
Magnesium	ppm	ASTM D5185m		15	14	6
Calcium	ppm	ASTM D5185m		66	28	27
Phosphorus	ppm	ASTM D5185m		330	386	504
Zinc	ppm	ASTM D5185m		54	48	65
Sulfur	ppm	ASTM D5185m		17775	22002	22690
Visc @ 40°C	cSt	ASTM D445		135	135	129



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208004
Lab Number : 06158527
Unique Number : 10993950
Test Package : CONST (Additional Tests: PQ)

Received : 23 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Don Baldrige

TENNOCA CONSTRUCTION
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 US 28715
 Contact: MARK ROSS
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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)