



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKVNJ421782
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214558	JR0176458	JR0151738
Sample Date		Client Info		29 May 2024	25 Jul 2023	01 Dec 2022
Machine Age	hrs	Client Info		1438	952	551
Oil Age	hrs	Client Info		486	952	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	54	57	127
Iron	ppm	ASTM D5185m	>750	319	882	▲ 1648
Chromium	ppm	ASTM D5185m	>9	6	15	▲ 23
Nickel	ppm	ASTM D5185m	>10	<1	2	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	2	5	10
Lead	ppm	ASTM D5185m	>15	1	0	<1
Copper	ppm	ASTM D5185m	>40	9	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

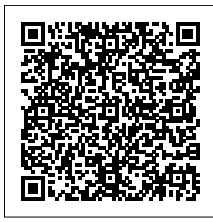
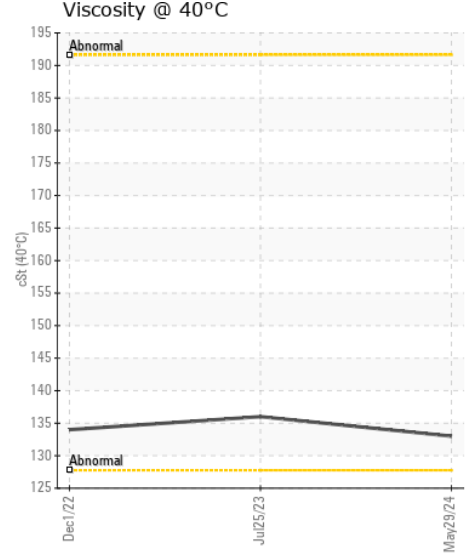
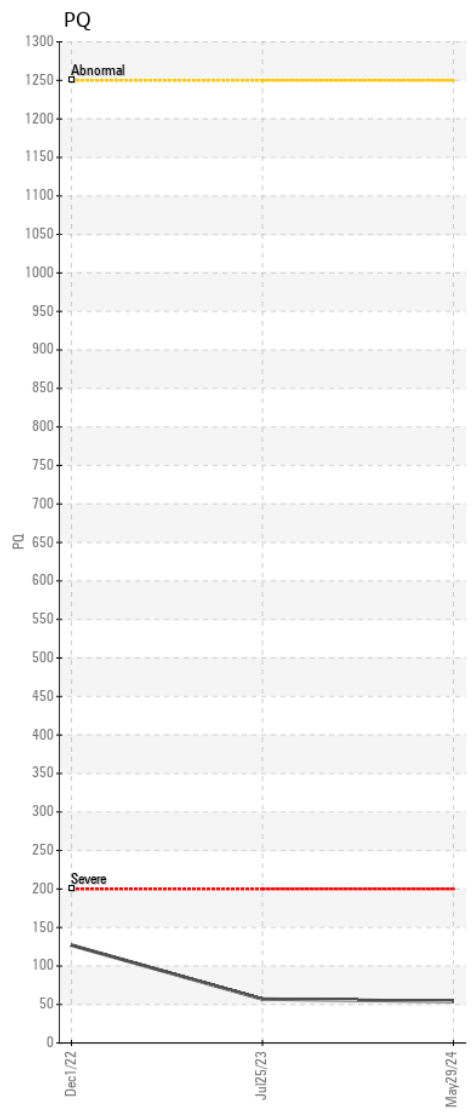
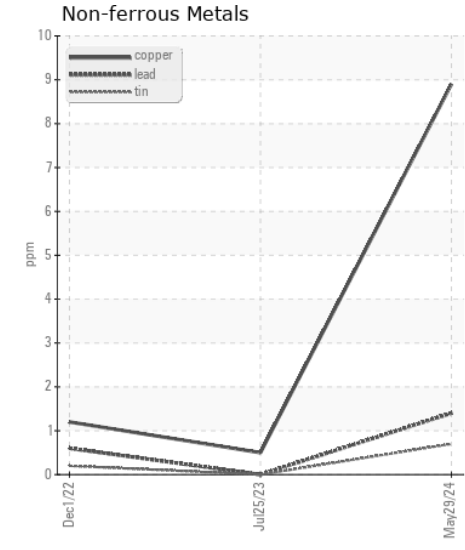
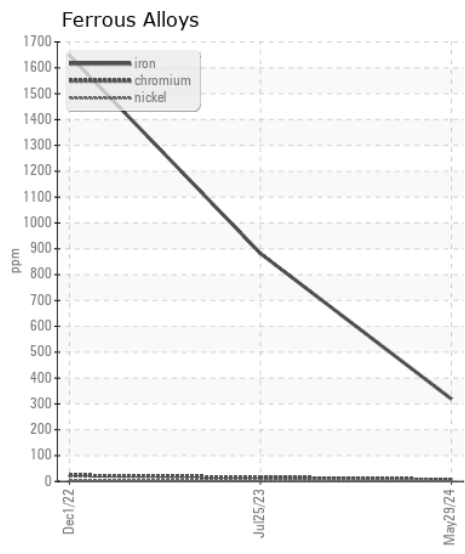
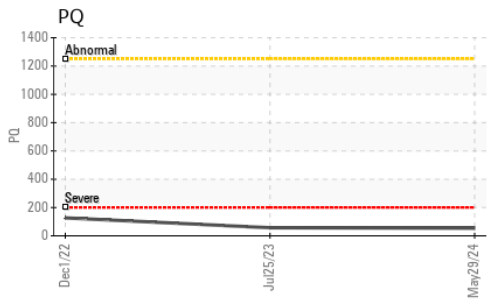
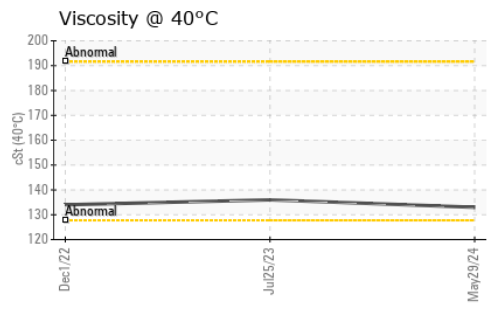
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	11	18	20
Potassium	ppm	ASTM D5185m	>20	12	25	37
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	0	4	14
Boron	ppm	ASTM D5185m		23	48	75
Barium	ppm	ASTM D5185m		8	19	79
Molybdenum	ppm	ASTM D5185m		2	1	3
Manganese	ppm	ASTM D5185m		3	7	14
Magnesium	ppm	ASTM D5185m		3	<1	7
Calcium	ppm	ASTM D5185m		19	18	46
Phosphorus	ppm	ASTM D5185m		455	513	926
Zinc	ppm	ASTM D5185m		27	5	34
Sulfur	ppm	ASTM D5185m		20481	24250	29718
Visc @ 40°C	cSt	ASTM D445		133	136	134



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214558 **Received** : 31 May 2024
Lab Number : 06196917 **Tested** : 03 Jun 2024
Unique Number : 11059040 **Diagnosed** : 03 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)