



Machine Id
JOHN DEERE 135G 1FF135GXVLF502005
 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		JR0218362	JR0184767	JR0184864
Sample Date		Client Info		24 Jun 2024	26 Oct 2023	17 Oct 2023
Machine Age	hrs	Client Info		0	3295	3295
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	69	207	108
Iron	ppm	ASTM D5185m	>750	422	<1	▲ 2207
Chromium	ppm	ASTM D5185m	>9	3	0	▲ 19
Nickel	ppm	ASTM D5185m	>10	2	0	5
Titanium	ppm	ASTM D5185m		2	0	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 17	0	● 24
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	2	<1	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

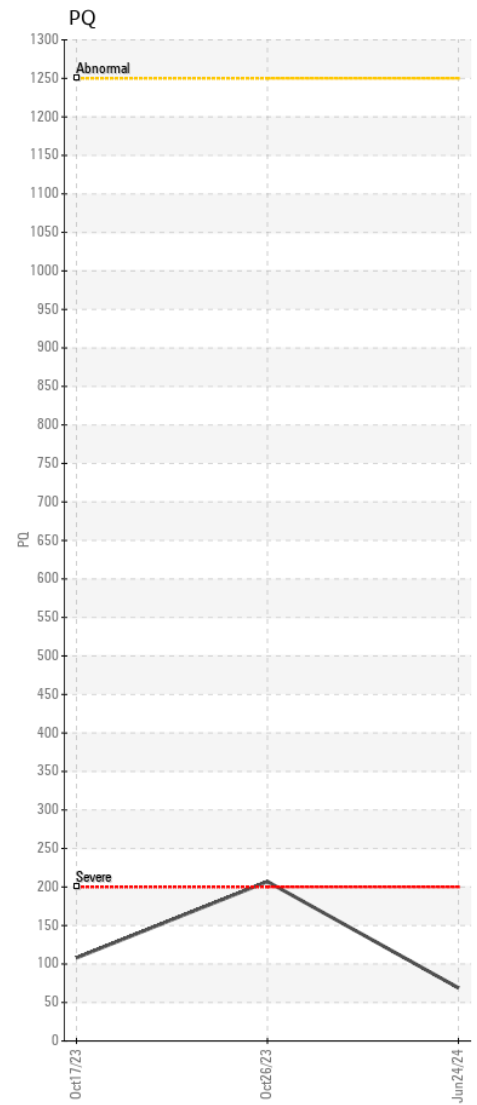
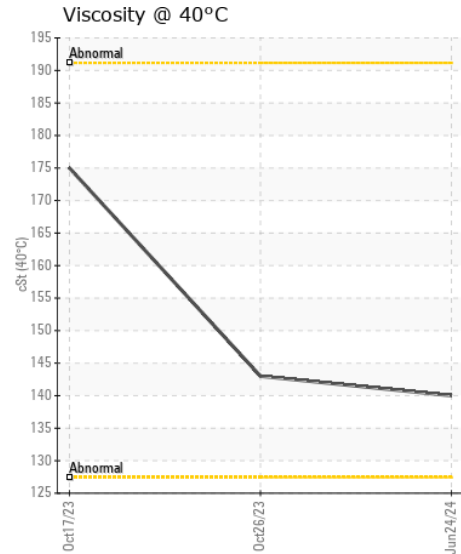
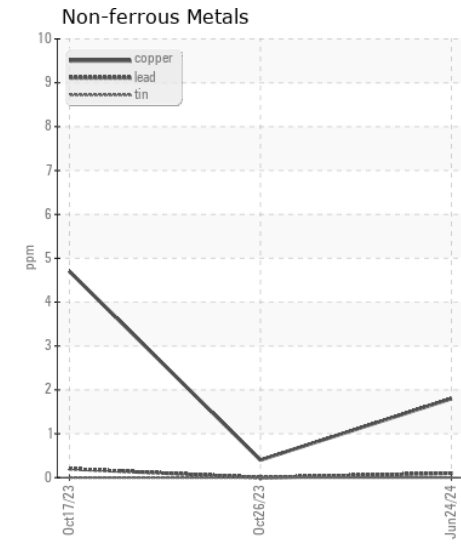
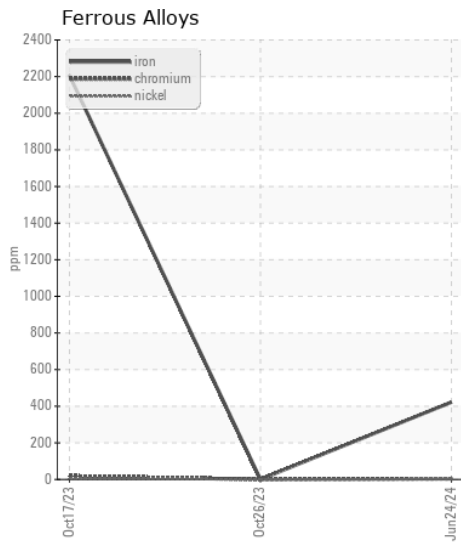
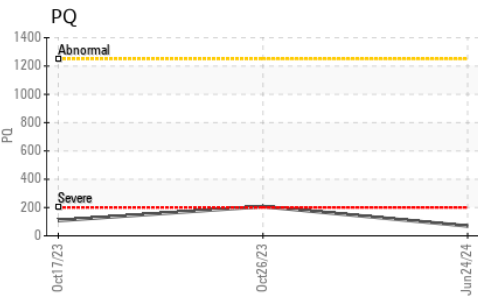
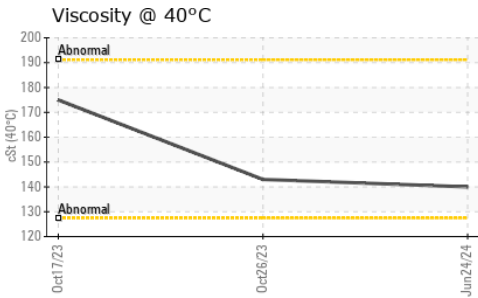
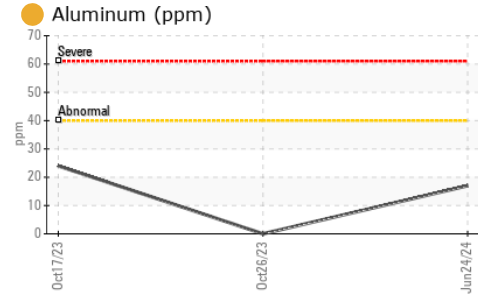
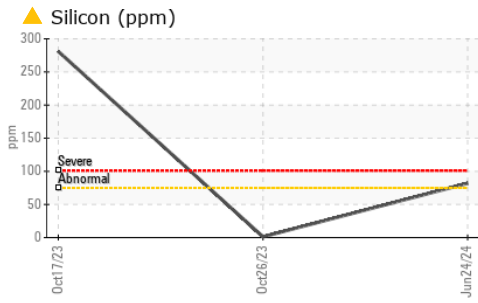
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 82	1	▲ 281
Potassium	ppm	ASTM D5185m	>20	6	0	11
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	2	<1	<1
Boron	ppm	ASTM D5185m		6	0	12
Barium	ppm	ASTM D5185m		0	0	10
Molybdenum	ppm	ASTM D5185m		<1	0	2
Manganese	ppm	ASTM D5185m		3	<1	18
Magnesium	ppm	ASTM D5185m		10	11	4
Calcium	ppm	ASTM D5185m		156	18	48
Phosphorus	ppm	ASTM D5185m		1007	290	1973
Zinc	ppm	ASTM D5185m		64	0	50
Sulfur	ppm	ASTM D5185m		24652	17248	37202
Visc @ 40°C	cSt	ASTM D445		140	143	175



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0218362 Received : 27 Jun 2024
 Lab Number : 06222545 Tested : 28 Jun 2024
 Unique Number : 11100742 Diagnosed : 28 Jun 2024 - Angela Borella
 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)