



Machine Id
JOHN DEERE 35G 1FF035GXVGK277447
 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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

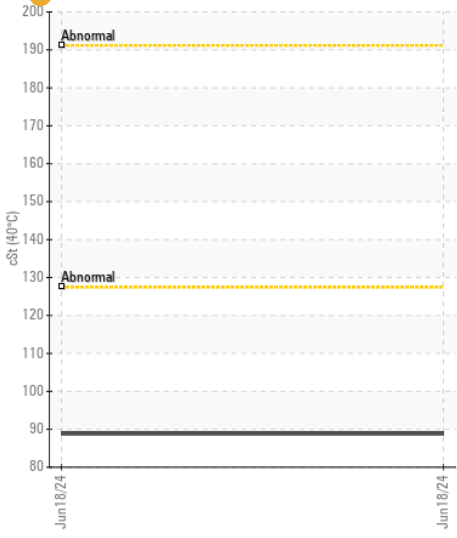
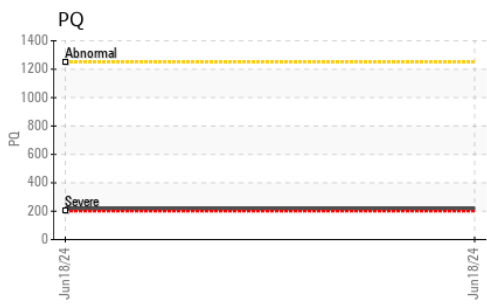
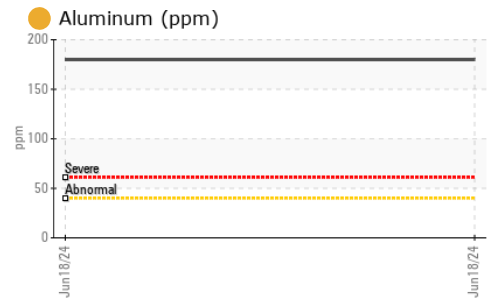
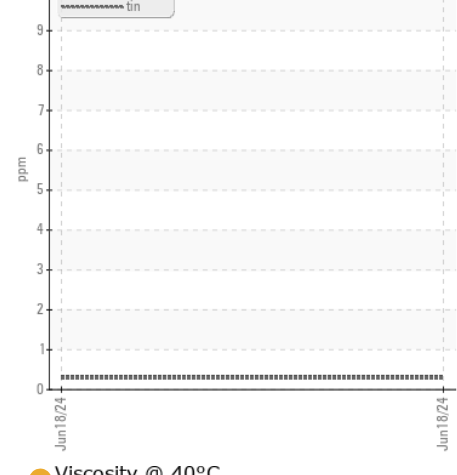
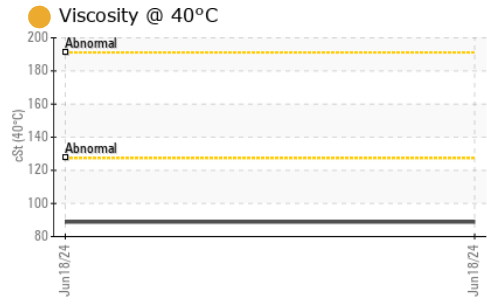
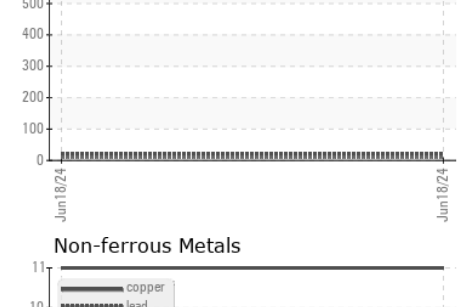
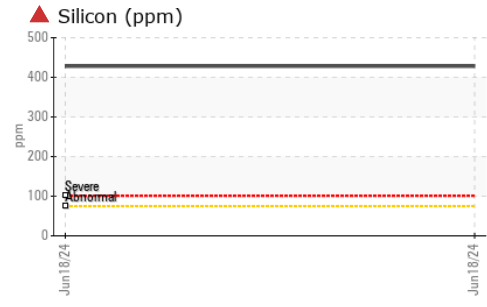
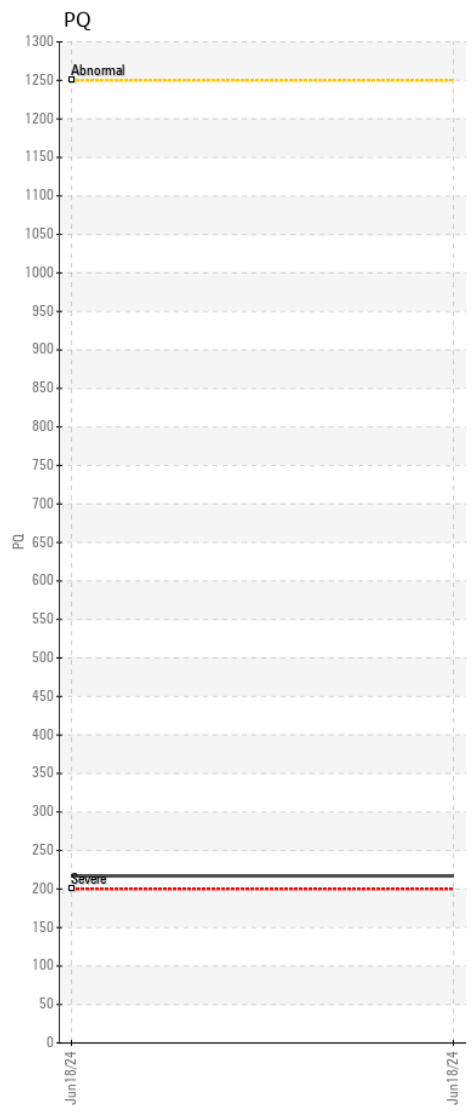
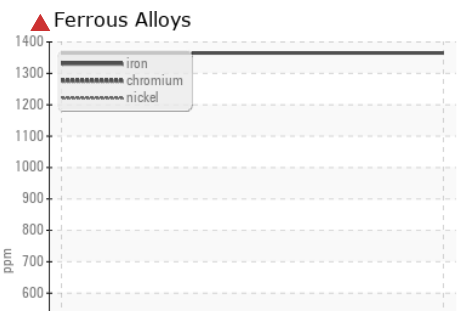
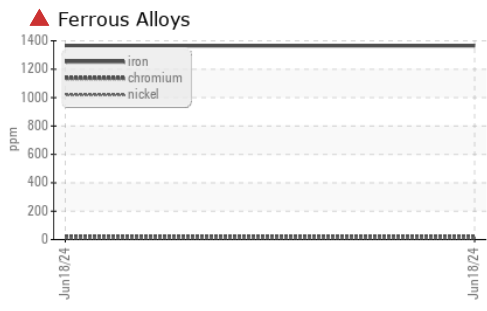
CONTAMINATION

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

FLUID CONDITION

The oil viscosity is lower than normal. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219807	---	---
Sample Date		Client Info		18 Jun 2024	---	---
Machine Age	hrs	Client Info		1982	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184	>1250	217	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1365	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 21	---	---
Nickel	ppm	ASTM D5185m	>10	9	---	---
Titanium	ppm	ASTM D5185m		15	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	● 180	---	---
Lead	ppm	ASTM D5185m	>15	<1	---	---
Copper	ppm	ASTM D5185m	>40	11	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 428	---	---
Potassium	ppm	ASTM D5185m	>20	23	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---
Sodium	ppm	ASTM D5185m	>51	19	---	---
Boron	ppm	ASTM D5185m		15	---	---
Barium	ppm	ASTM D5185m		10	---	---
Molybdenum	ppm	ASTM D5185m		17	---	---
Manganese	ppm	ASTM D5185m		17	---	---
Magnesium	ppm	ASTM D5185m		43	---	---
Calcium	ppm	ASTM D5185m		3522	---	---
Phosphorus	ppm	ASTM D5185m		551	---	---
Zinc	ppm	ASTM D5185m		715	---	---
Sulfur	ppm	ASTM D5185m		2568	---	---
Visc @ 40°C	cSt	ASTM D445		● 88.8	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219807 **Received** : 20 Jun 2024
Lab Number : 06216023 **Tested** : 22 Jun 2024
Unique Number : 11088887 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

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)