



Machine Id
JOHN DEERE 26G 1FF026GXAKK265588
Component
Rear Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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. The high ferrous density (PQ) index indicates that abnormal wear is occurring. Component wear metal level(s) high for break in.

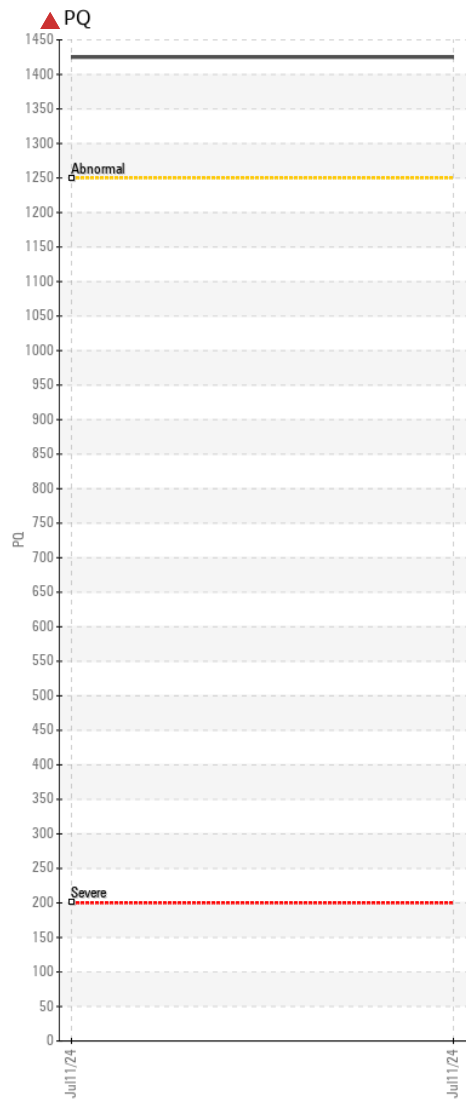
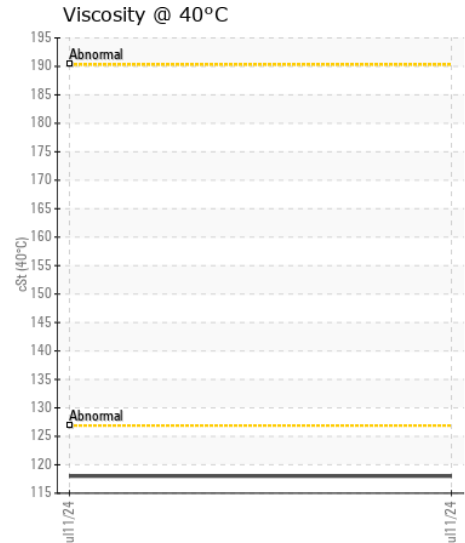
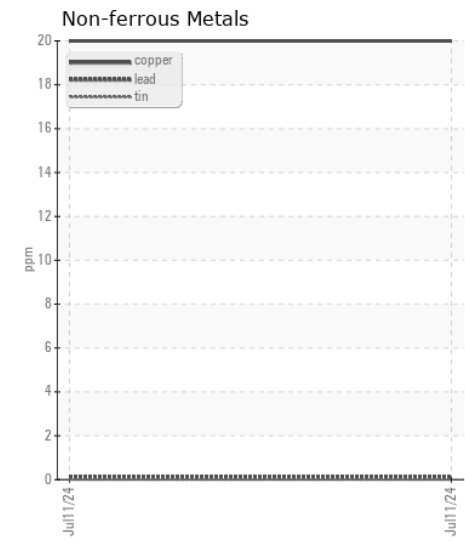
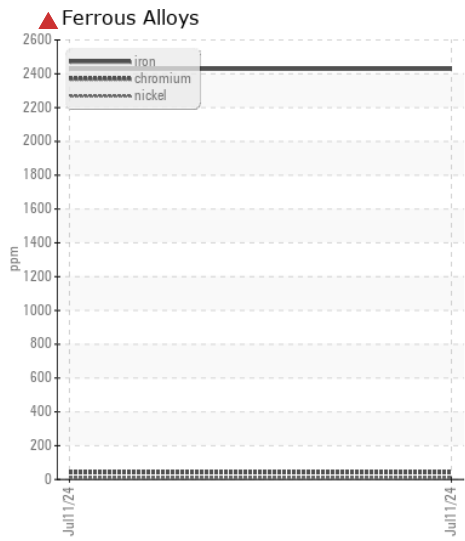
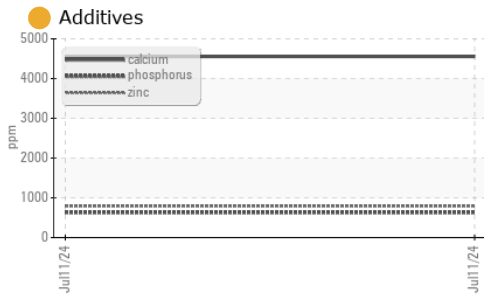
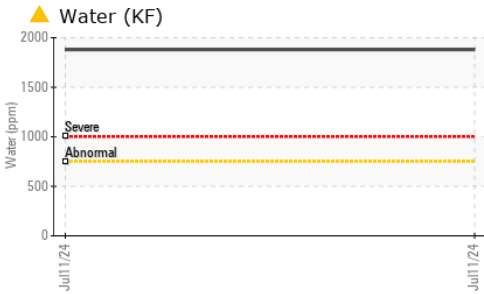
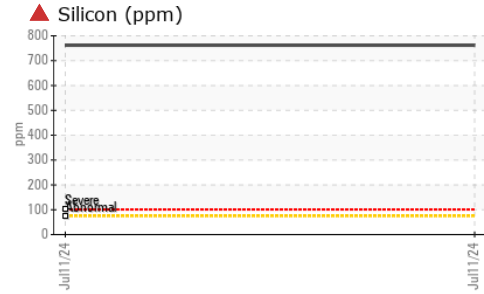
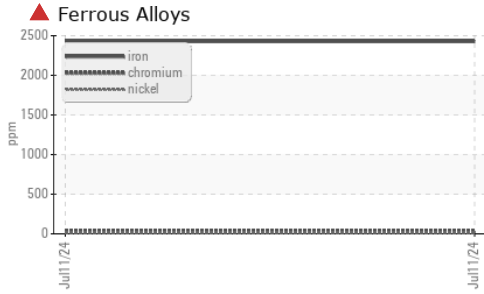
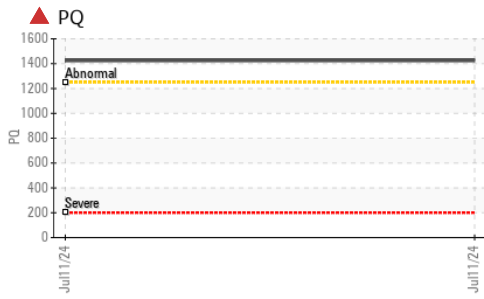
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0223074	---	---
Sample Date		Client Info		11 Jul 2024	---	---
Machine Age	hrs	Client Info		172	---	---
Oil Age	hrs	Client Info		172	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184	>1250	▲ 1425	---	---
Iron	ppm	ASTM D5185m	>750	▲ 2428	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 41	---	---
Nickel	ppm	ASTM D5185m	>10	9	---	---
Titanium	ppm	ASTM D5185m		19	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	● 253	---	---
Lead	ppm	ASTM D5185m	>15	<1	---	---
Copper	ppm	ASTM D5185m	>40	20	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 762	---	---
Potassium	ppm	ASTM D5185m	>20	44	---	---
Water	%	ASTM D6304	>0.075	▲ 0.188	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 1880	---	---
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	▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m	>51	17	---	---
Boron	ppm	ASTM D5185m		● 21	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		● 20	---	---
Manganese	ppm	ASTM D5185m		● 28	---	---
Magnesium	ppm	ASTM D5185m		25	---	---
Calcium	ppm	ASTM D5185m		● 4556	---	---
Phosphorus	ppm	ASTM D5185m		633	---	---
Zinc	ppm	ASTM D5185m		● 791	---	---
Sulfur	ppm	ASTM D5185m		● 3299	---	---
Visc @ 40°C	cSt	ASTM D445		118	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223074
Lab Number : 06235185
Unique Number : 11124019
Test Package : CONST (Additional Tests: KF, PQ)

JRE - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409
 Contact: CHRIS FRAZIER
 cfrazier@jamesriverequipment.com

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) F: (336)665-9556