



Area
[W66131-3]
 Machine Id
JOHN DEERE 317G 1T0317GJTLJ370280
 Component
Right Brake
 Fluid
JOHN DEERE HYDRAU XR (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

PQ levels are abnormal. Chromium and iron and nickel ppm levels are abnormal. Aluminum ppm levels are noted. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

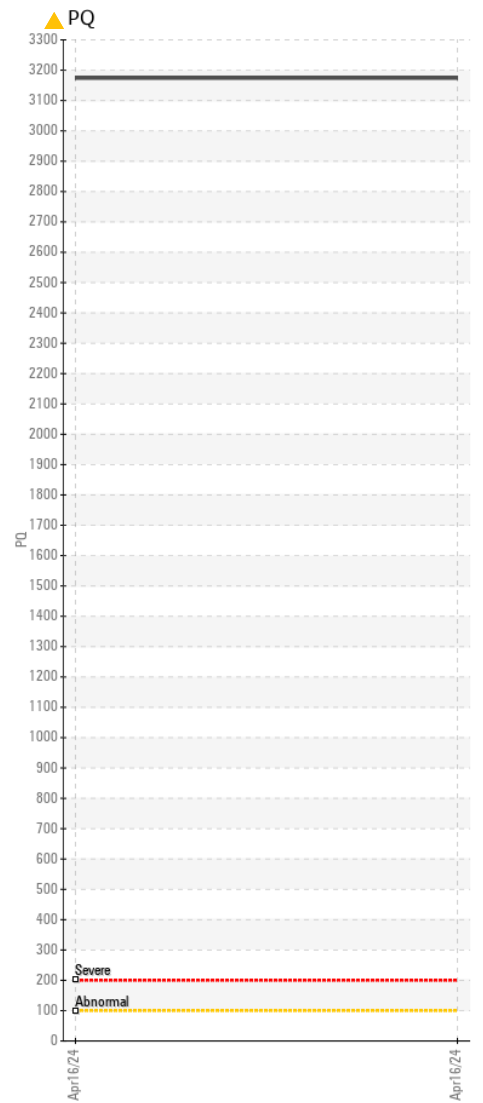
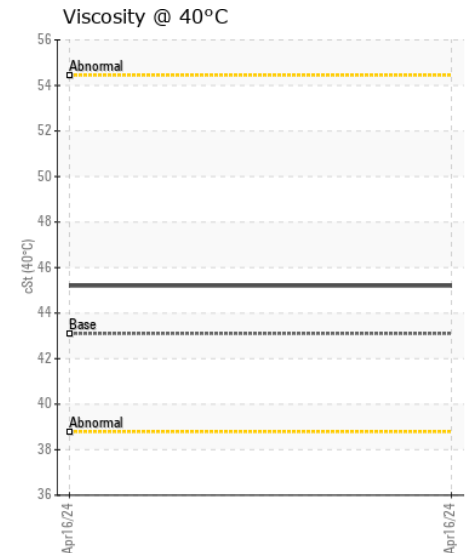
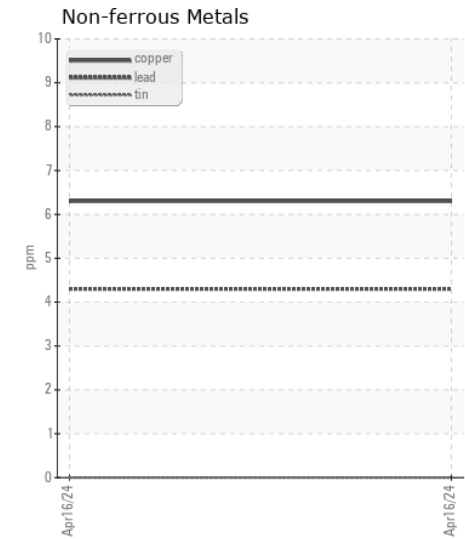
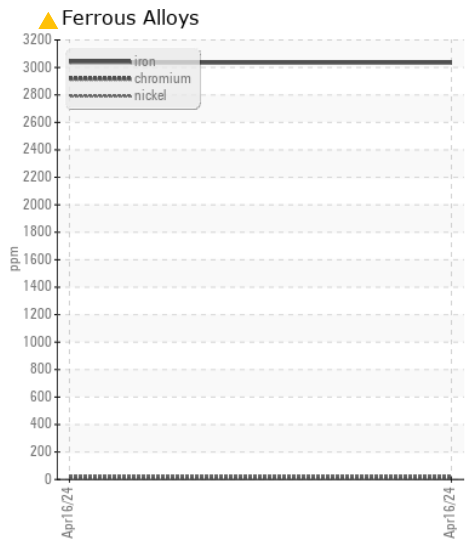
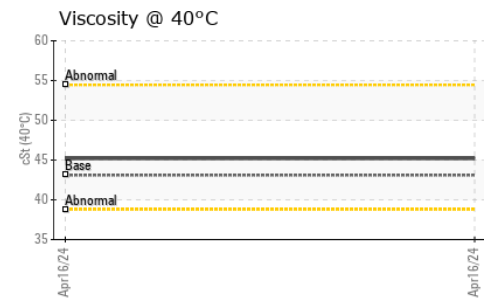
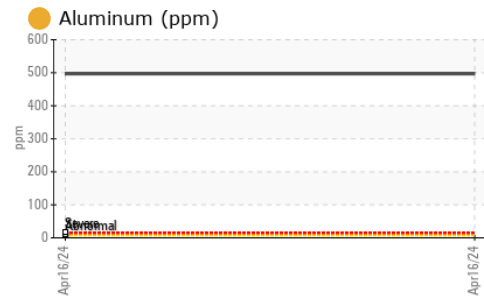
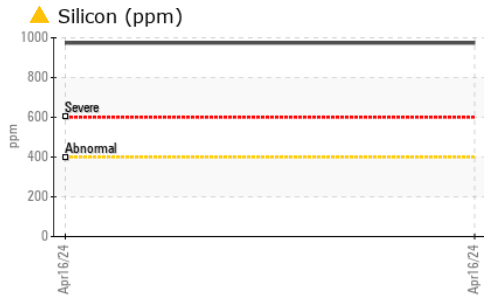
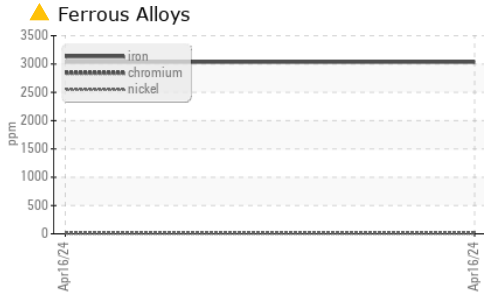
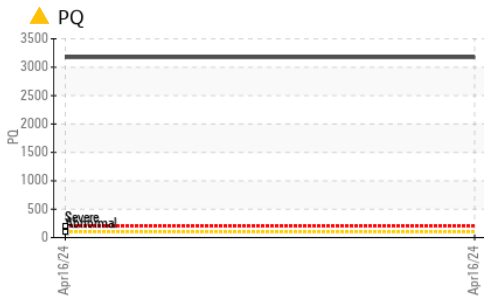
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component.

FLUID CONDITION

The fluid 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		JR0205463	---	---
Sample Date		Client Info		16 Apr 2024	---	---
Machine Age	hrs	Client Info		2253	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184		▲ 3174	---	---
Iron	ppm	ASTM D5185m	>350	▲ 3034	---	---
Chromium	ppm	ASTM D5185m	>5	▲ 16	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 25	---	---
Titanium	ppm	ASTM D5185m		26	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>8	● 497	---	---
Lead	ppm	ASTM D5185m	>10	4	---	---
Copper	ppm	ASTM D5185m	>150	6	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		4	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>400	▲ 974	---	---
Potassium	ppm	ASTM D5185m	>20	56	---	---
Water		WC Method	>0.2	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	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m		48	---	---
Boron	ppm	ASTM D5185m		4	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		34	---	---
Magnesium	ppm	ASTM D5185m		40	---	---
Calcium	ppm	ASTM D5185m		133	---	---
Phosphorus	ppm	ASTM D5185m		235	---	---
Zinc	ppm	ASTM D5185m		513	---	---
Sulfur	ppm	ASTM D5185m		9001	---	---
Visc @ 40°C	cSt	ASTM D445	43.1	45.2	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205463 **Received** : 18 Apr 2024
Lab Number : 06153439 **Tested** : 19 Apr 2024
Unique Number : 10983517 **Diagnosed** : 22 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@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)

T: (704)597-0211
 F: (704)596-6198