



WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 260E 1DW260ETKKF697901
Component
Center Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

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

High concentration of visible metal present. Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring.

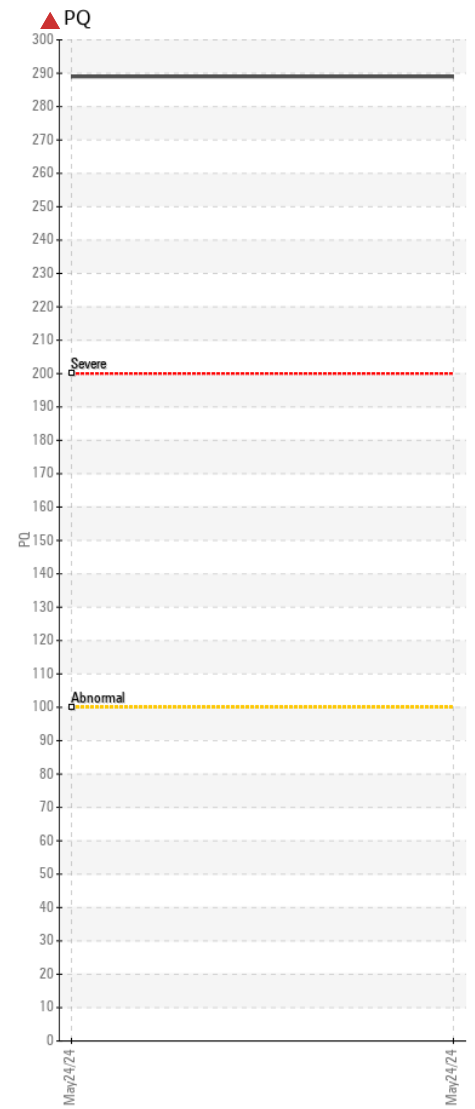
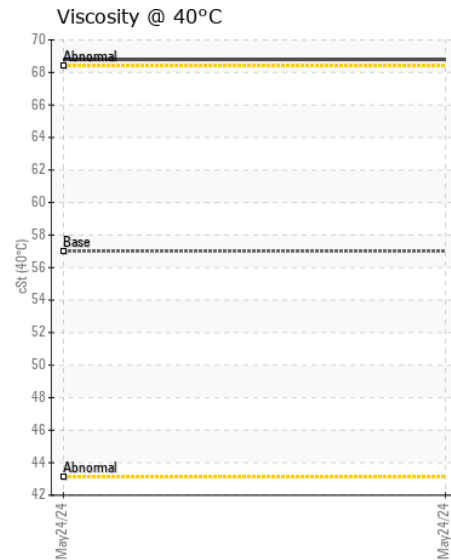
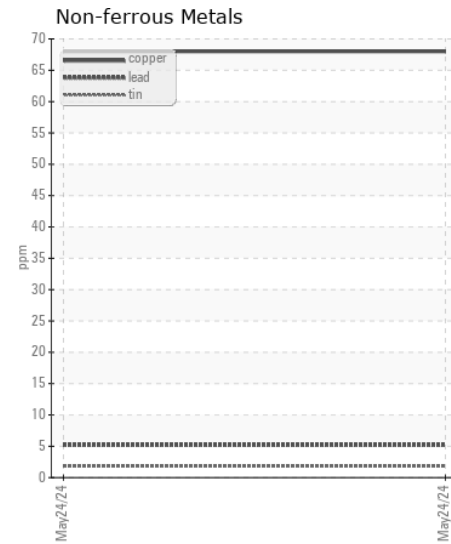
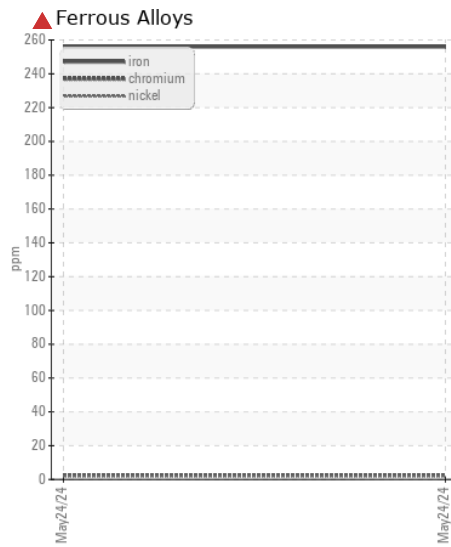
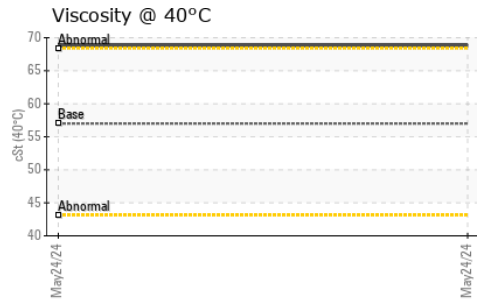
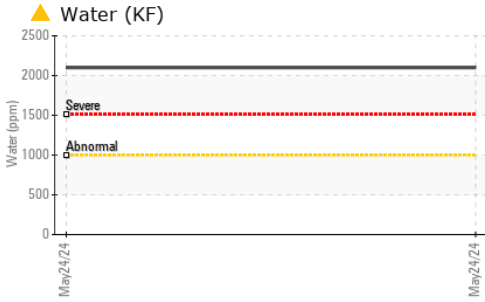
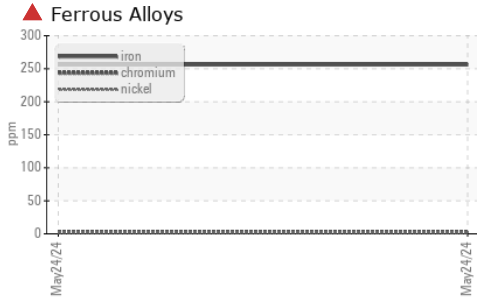
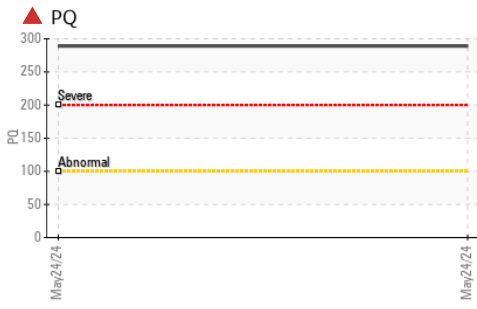
CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

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		JR0214251	---	---
Sample Date		Client Info		24 May 2024	---	---
Machine Age	hrs	Client Info		3377	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		39	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		▲ 289	---	---
Iron	ppm	ASTM D5185m	>1501	▲ 256	---	---
Chromium	ppm	ASTM D5185m	>11	2	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>21	2	---	---
Lead	ppm	ASTM D5185m	>51	5	---	---
Copper	ppm	ASTM D5185m	>101	68	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	▲ HEAVY	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>31	19	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>0.1	▲ 0.210	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2100	---	---
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	>0.1	▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m	>51	3	---	---
Boron	ppm	ASTM D5185m	6	82	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	0	8	---	---
Manganese	ppm	ASTM D5185m		14	---	---
Magnesium	ppm	ASTM D5185m	145	18	---	---
Calcium	ppm	ASTM D5185m	3570	2507	---	---
Phosphorus	ppm	ASTM D5185m	1290	844	---	---
Zinc	ppm	ASTM D5185m	1640	1040	---	---
Sulfur	ppm	ASTM D5185m		4332	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	68.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0214251

Lab Number : 06192505

Unique Number : 11049257

Test Package : CONST (Additional Tests: KF, PQ)

Received : 28 May 2024

Tested : 30 May 2024

Diagnosed : 31 May 2024 - Jonathan Hester

JRE - NEW BERN
3816 MARTIN LUTHER KING BLVD
NEW BERN, NC
US 28562

Contact: NEW BERN SHOP

nick.etheridge@jamesriverequipment.com;canastasio@wearcheckusa.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:

F: