



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8456]
 Machine Id
JOHN DEERE 200D C185762 (S/N 1FF200DXPBD512817)
 Component
Pump Drive
 Fluid
GEAR OIL LS 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8456)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197159	---	---
Sample Date		Client Info		12 Feb 2024	---	---
Machine Age	hrs	Client Info		6753	---	---
Oil Age	hrs	Client Info		6753	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		30	---	---
Iron	ppm	ASTM D5185m	>151	238	---	---
Chromium	ppm	ASTM D5185m	>11	3	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>21	4	---	---
Lead	ppm	ASTM D5185m	>51	11	---	---
Copper	ppm	ASTM D5185m	>51	<1	---	---
Tin	ppm	ASTM D5185m	>4	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

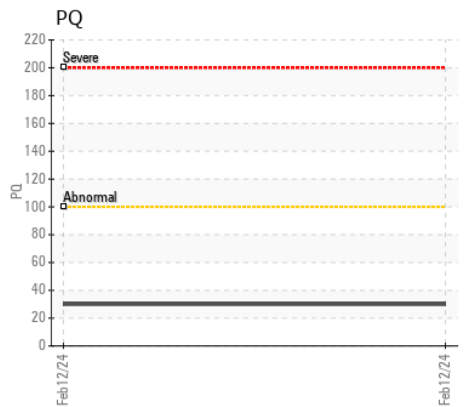
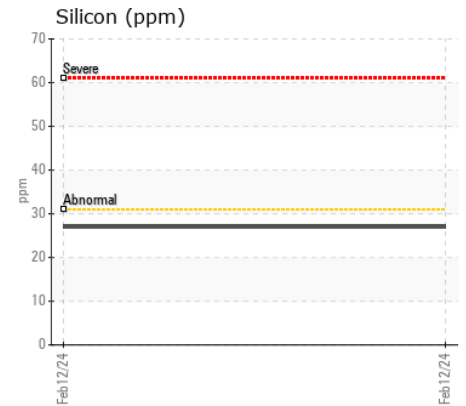
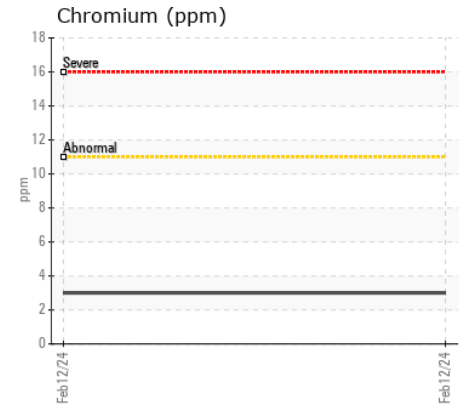
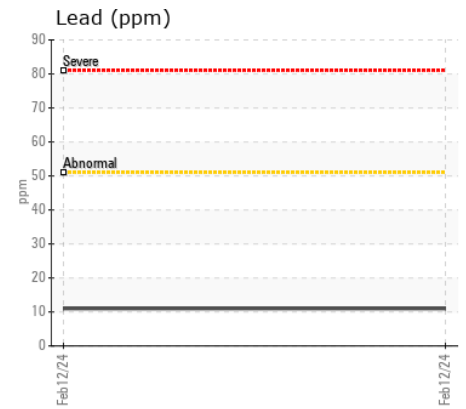
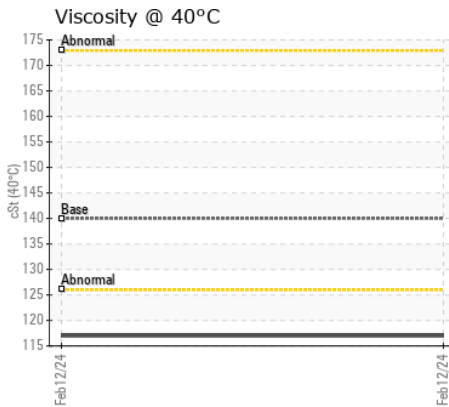
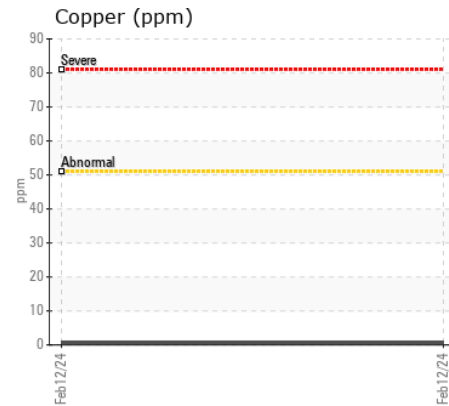
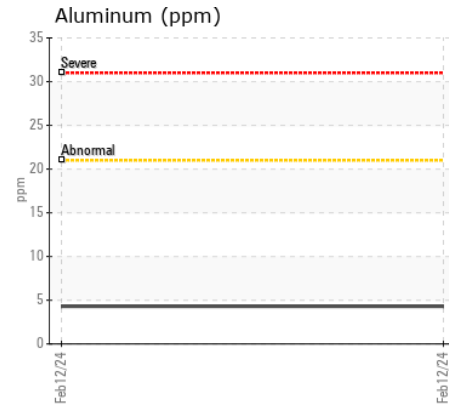
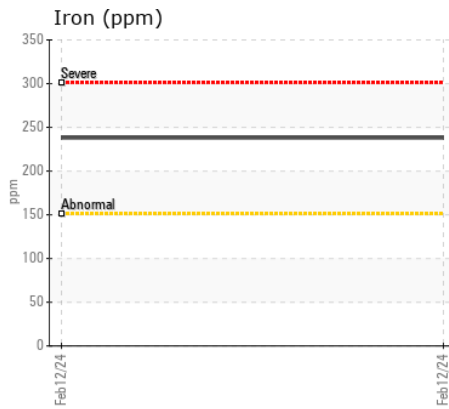
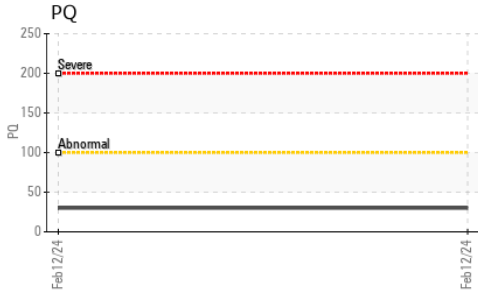
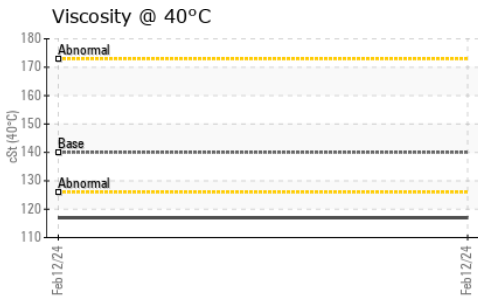
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	27	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.1	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	>0.1	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	---	---
Boron	ppm	ASTM D5185m	150	15	---	---
Barium	ppm	ASTM D5185m		20	---	---
Molybdenum	ppm	ASTM D5185m		16	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m	10	85	---	---
Calcium	ppm	ASTM D5185m	70	402	---	---
Phosphorus	ppm	ASTM D5185m	2000	459	---	---
Zinc	ppm	ASTM D5185m	50	222	---	---
Sulfur	ppm	ASTM D5185m	20000	9655	---	---
Visc @ 40°C	cSt	ASTM D445	140	117	---	---



Certificate L2367

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

Sample No. : JR0197159

Lab Number : 06087656

Unique Number : 10875101

Test Package : MOBCE (Additional Tests: PQ)

Received : 13 Feb 2024

Tested : 14 Feb 2024

Diagnosed : 14 Feb 2024 - Don Baldrige

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: Justin Jackson

Justin.Jackson@jamesriverequipment.com

T:

F:

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)