



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W7072]
 Machine Id
JOHN DEERE 843L C236596 (S/N 1DW843LRMF710940)
 Component
Gear Case
 Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W7072)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196800	JR0098244	---
Sample Date		Client Info		21 Jun 2024	23 Jun 2022	---
Machine Age	hrs	Client Info		5000	1155	---
Oil Age	hrs	Client Info		3845	1155	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		28	68	---
Iron	ppm	ASTM D5185m	>200	119	141	---
Chromium	ppm	ASTM D5185m	>5	1	1	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		2	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	3	3	---
Lead	ppm	ASTM D5185m	>5	<1	<1	---
Copper	ppm	ASTM D5185m	>15	3	10	---
Tin	ppm	ASTM D5185m	>5	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

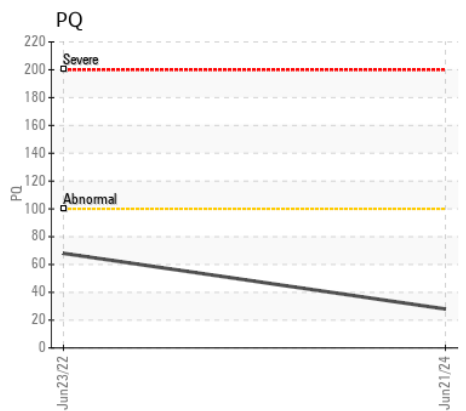
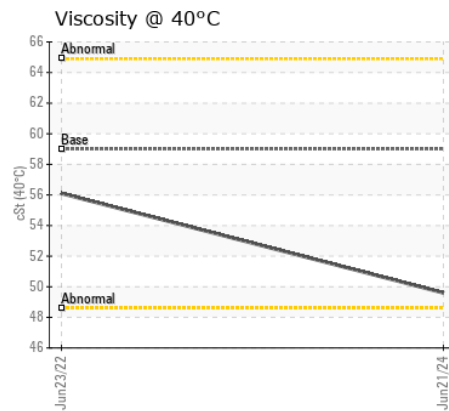
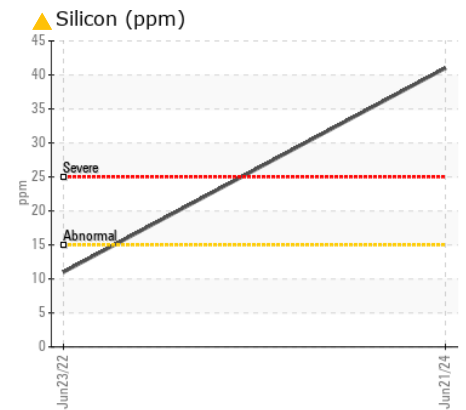
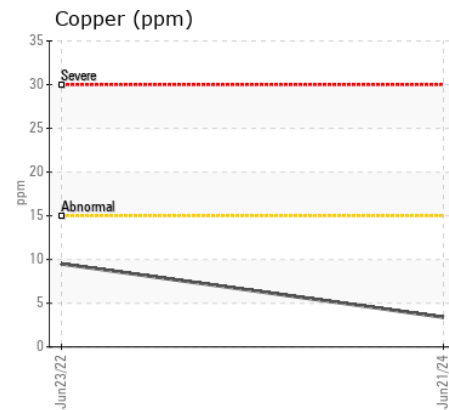
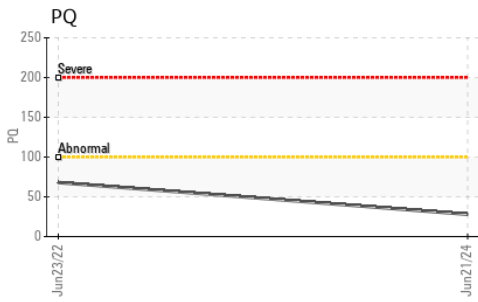
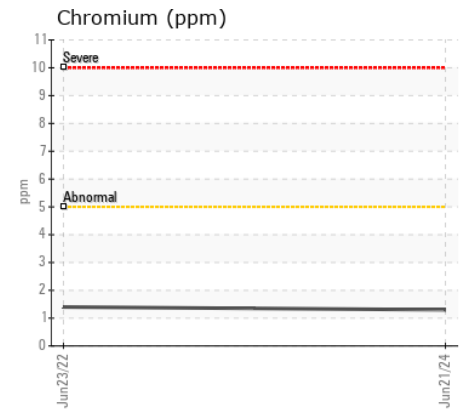
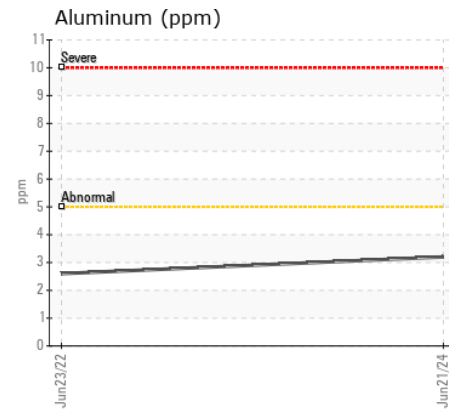
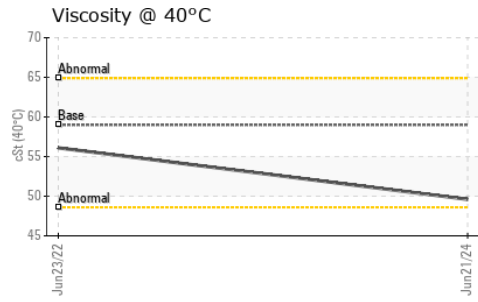
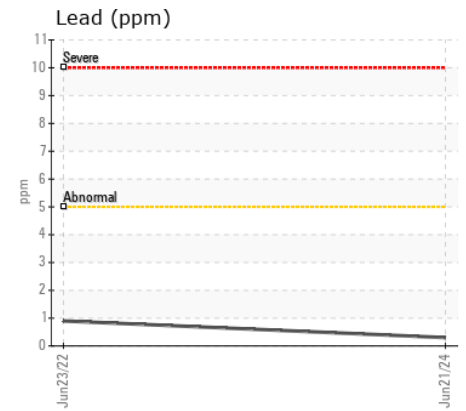
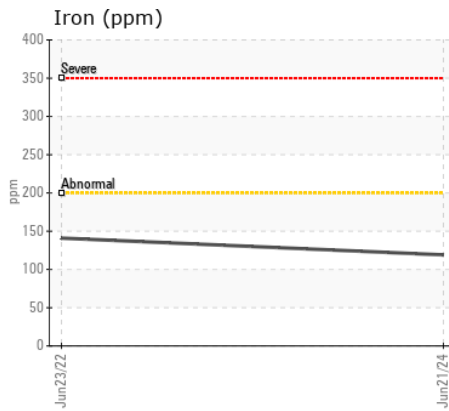
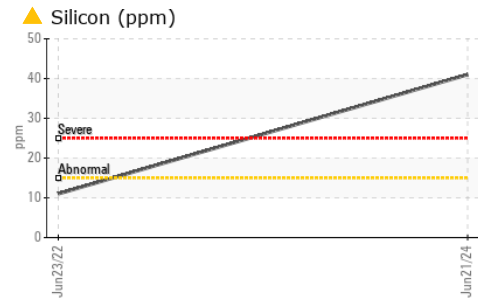
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>15	▲ 41	11	---
Potassium	ppm	ASTM D5185m	>20	11	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		11	2	---
Boron	ppm	ASTM D5185m		11	0	---
Barium	ppm	ASTM D5185m		11	2	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		3	3	---
Magnesium	ppm	ASTM D5185m		84	100	---
Calcium	ppm	ASTM D5185m		3184	3488	---
Phosphorus	ppm	ASTM D5185m		1141	1043	---
Zinc	ppm	ASTM D5185m		1287	1252	---
Sulfur	ppm	ASTM D5185m		3982	3752	---
Visc @ 40°C	cSt	ASTM D445	59	49.6	56.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196800 **Received** : 26 Jun 2024
Lab Number : 06221456 **Tested** : 27 Jun 2024
Unique Number : 11099653 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; canastasio@wearcheck.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)

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F: