



Area

[CONSERVIT]

Machine Id

JOHN DEERE 844K 1DW844KCTJF691653

Component

Brake

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0169684	JR0111977	JR0083015
Sample Date		Client Info		14 Jun 2023	03 Feb 2022	07 May 2021
Machine Age	hrs	Client Info		2006	1018	524
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The lead level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		48	53	44
Iron	ppm	ASTM D5185m	>350	81	99	72
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		7	20	22
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>8	0	1	<1
Lead	ppm	ASTM D5185m	>10	▲ 29	▲ 70	▲ 69
Copper	ppm	ASTM D5185m	>150	1	2	4
Tin	ppm	ASTM D5185m	>5	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	MODER	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

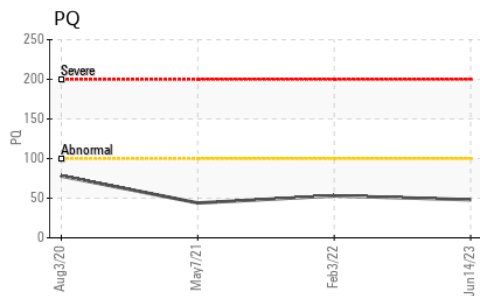
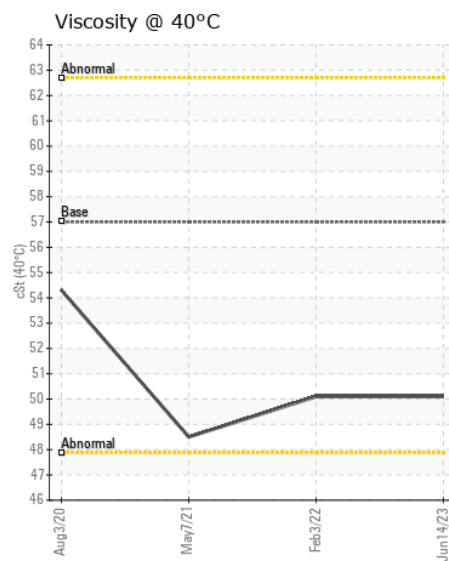
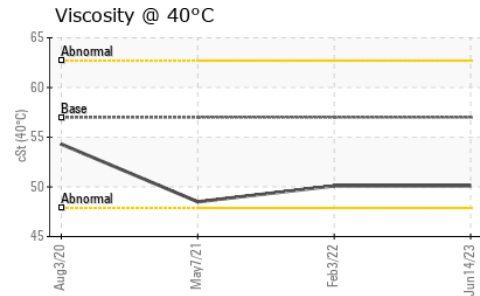
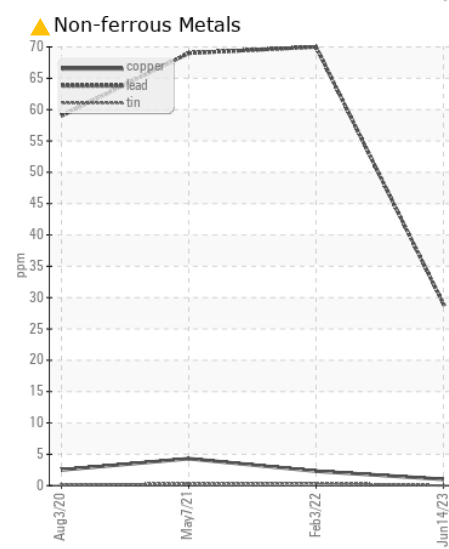
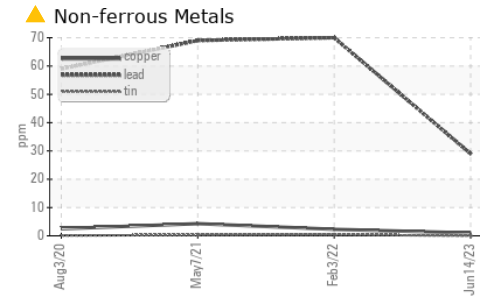
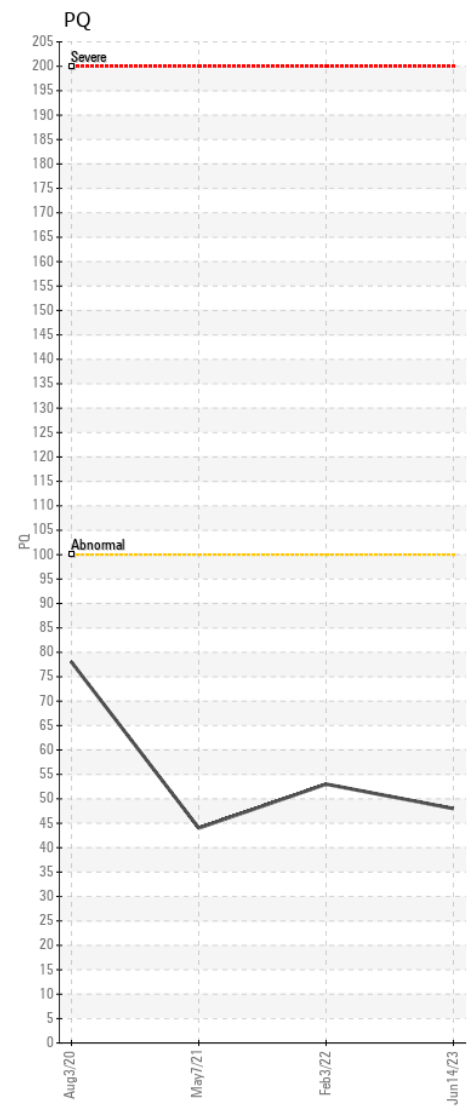
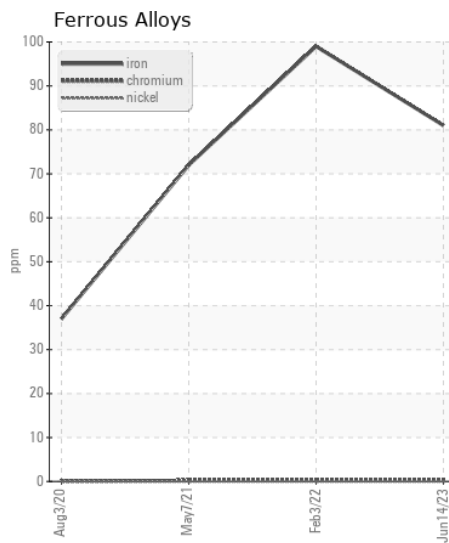
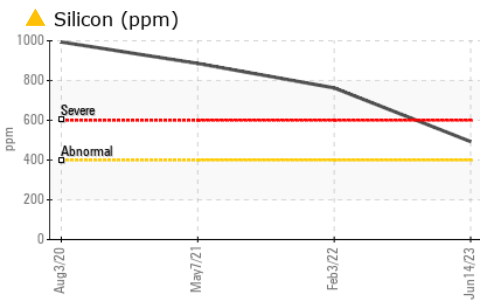
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>400	▲ 493	▲ 763	▲ 886
Potassium	ppm	ASTM D5185m	>20	4	8	11
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		14	23	23
Boron	ppm	ASTM D5185m	6	64	139	142
Barium	ppm	ASTM D5185m	0	6	0	<1
Molybdenum	ppm	ASTM D5185m	0	38	48	47
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	145	294	557	604
Calcium	ppm	ASTM D5185m	3570	2935	1785	1544
Phosphorus	ppm	ASTM D5185m	1290	1008	806	782
Zinc	ppm	ASTM D5185m	1640	1158	874	823
Sulfur	ppm	ASTM D5185m		4256	2882	2711
Visc @ 40°C	cSt	ASTM D445	57.0	50.1	50.1	48.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0169684 **Received** : 20 Jun 2023
Lab Number : 05878312 **Tested** : 27 Jun 2023
Unique Number : 10523415 **Diagnosed** : 27 Jun 2023 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
 pdaugherty@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)

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