



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 748L 1DW748LXEJF690505
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0088774	JRMC454812	---
Sample Date		Client Info		03 Nov 2021	26 Oct 2018	---
Machine Age	hrs	Client Info		6074	507	---
Oil Age	hrs	Client Info		0	507	---
Filter Age	hrs	Client Info		0	507	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The iron level is abnormal. The chromium level is abnormal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>23	▲ 67	4	---
Chromium	ppm	ASTM D5185m	>9	▲ 18	1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>9	6	<1	---
Lead	ppm	ASTM D5185m	>28	<1	<1	---
Copper	ppm	ASTM D5185m	>51	4	4	---
Tin	ppm	ASTM D5185m	>5	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

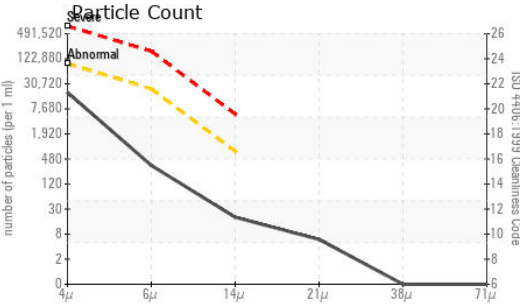
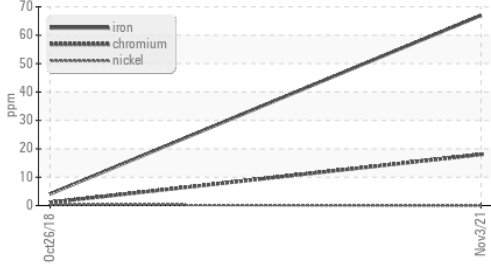
Silicon	ppm	ASTM D5185m	>31	14	4	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	16619	2263	---
Particles >6µm		ASTM D7647	>20000	295	208	---
Particles >14µm		ASTM D7647	>640	17	15	---
Particles >21µm		ASTM D7647	>160	5	6	---
Particles >38µm		ASTM D7647	>40	0	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/15/11	18/15/11	---
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	>0.075	NEG	NEG	---

FLUID CONDITION

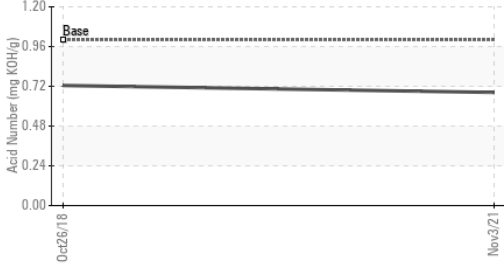
The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	0	2	---
Boron	ppm	ASTM D5185m		1	<1	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		4	4	---
Calcium	ppm	ASTM D5185m	87	126	117	---
Phosphorus	ppm	ASTM D5185m	727	727	630	---
Zinc	ppm	ASTM D5185m	900	895	828	---
Sulfur	ppm	ASTM D5185m	1500	1673	1558	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.683	0.725	---
Visc @ 40°C	cSt	ASTM D445	65	52.3	57.47	---

▲ Ferrous Alloys



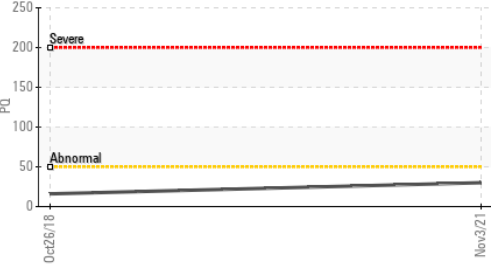
Acid Number



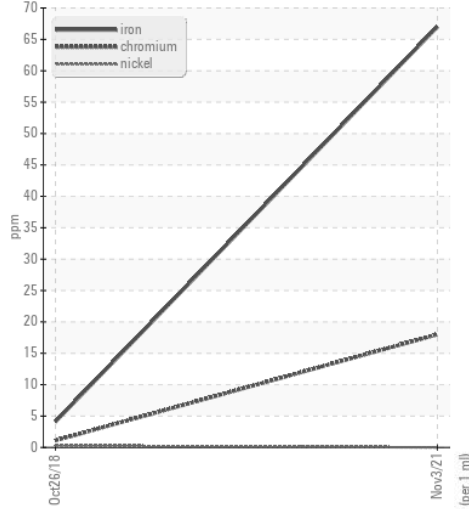
Viscosity @ 40°C



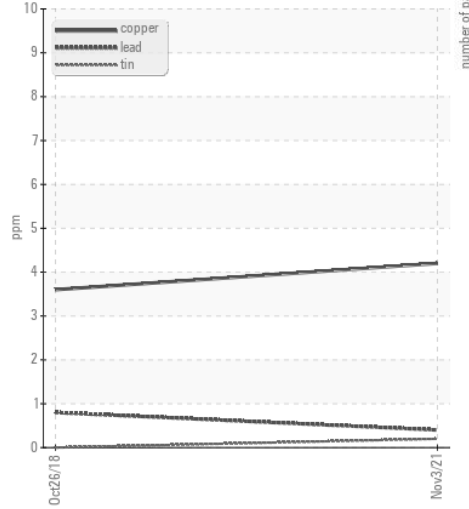
PQ



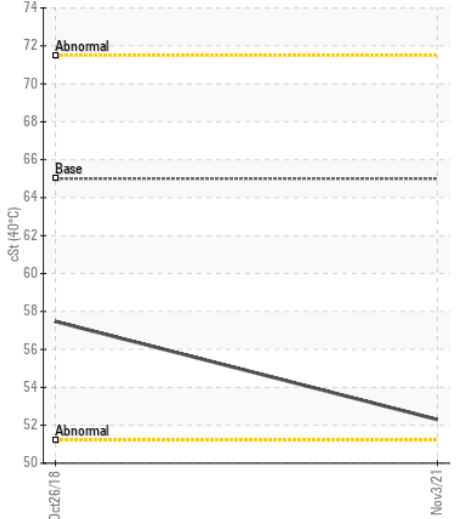
▲ Ferrous Alloys



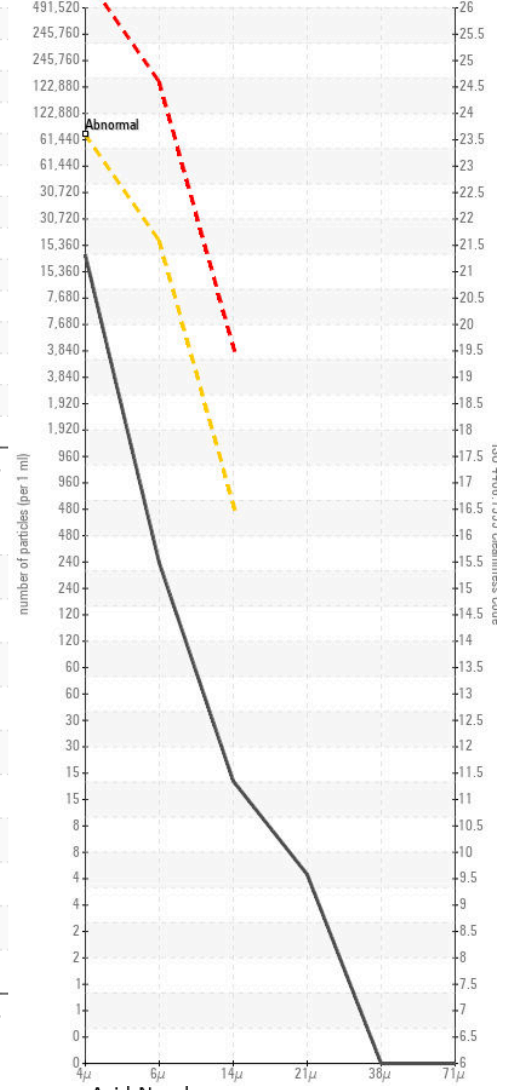
Non-ferrous Metals



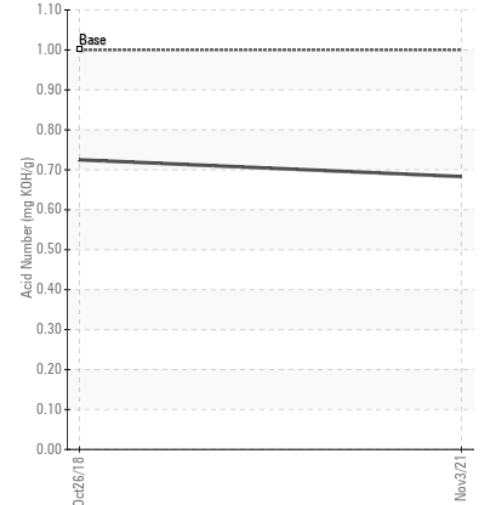
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0088774 **Received** : 08 Nov 2021
Lab Number : 05394418 **Diagnosed** : 09 Nov 2021
Unique Number : 9733568 **Diagnostician** : Jonathan Hester
Test Package : MOBCE (Additional Tests: PQ)

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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