



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 624K 1DW624KHEHF681334
Component
Rear Differential
Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0137085	JR0023573	---
Sample Date		Client Info		05 Jul 2022	08 Oct 2019	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		875	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		34	36	---
Iron	ppm	ASTM D5185m	>500	178	141	---
Chromium	ppm	ASTM D5185m	>10	1	<1	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	<1	---
Lead	ppm	ASTM D5185m	>25	▲ 30	25	---
Copper	ppm	ASTM D5185m	>100	34	30	---
Tin	ppm	ASTM D5185m	>10	3	2	---
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 fluid.

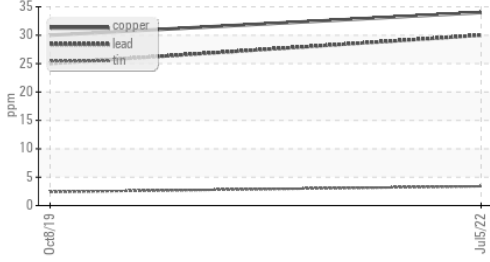
Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	8	7	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	0.2%	---

FLUID CONDITION

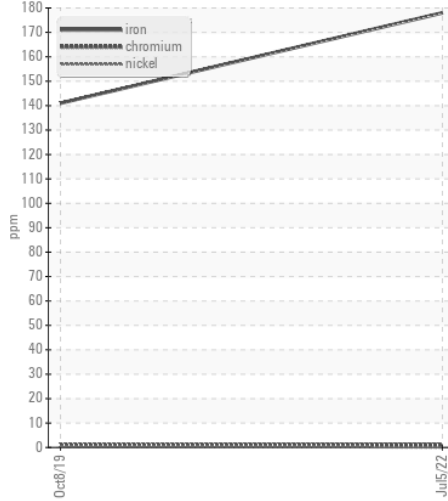
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		6	4	---
Boron	ppm	ASTM D5185m	10	10	6	---
Barium	ppm	ASTM D5185m	10	2	8	---
Molybdenum	ppm	ASTM D5185m	10	<1	<1	---
Manganese	ppm	ASTM D5185m		6	5	---
Magnesium	ppm	ASTM D5185m	100	93	98	---
Calcium	ppm	ASTM D5185m	3500	3472	3704	---
Phosphorus	ppm	ASTM D5185m	1150	1010	1030	---
Zinc	ppm	ASTM D5185m	1150	1249	1299	---
Sulfur	ppm	ASTM D5185m	5000	4166	3183	---
Visc @ 40°C	cSt	ASTM D445	48	51.1	51.3	---

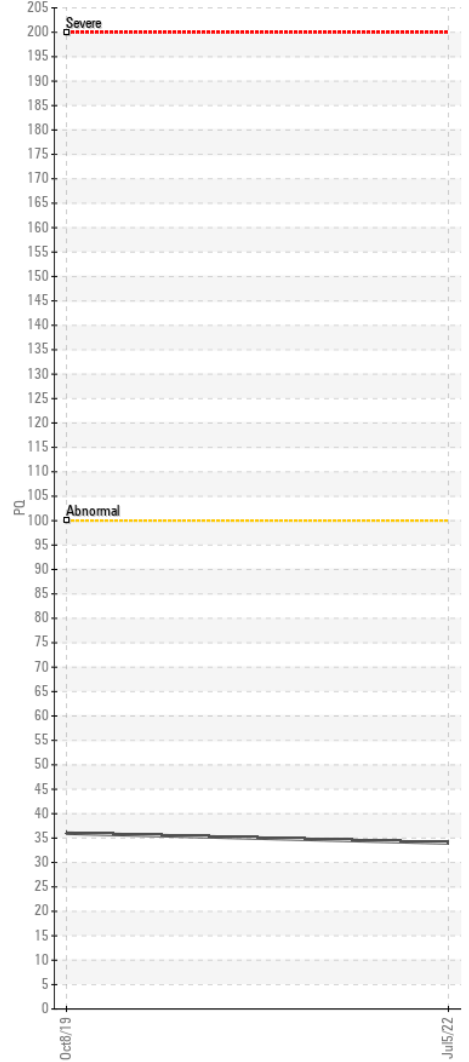
▲ Non-ferrous Metals



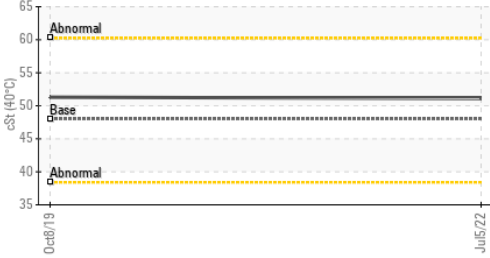
Ferrous Alloys



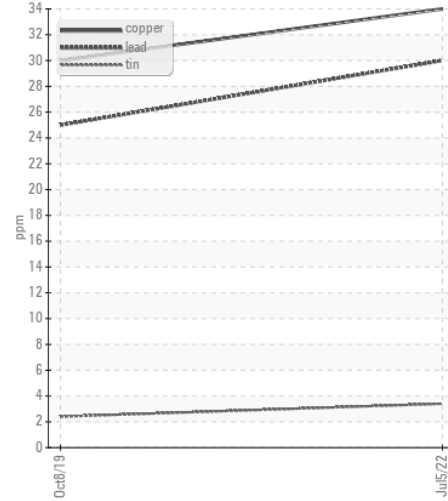
PQ



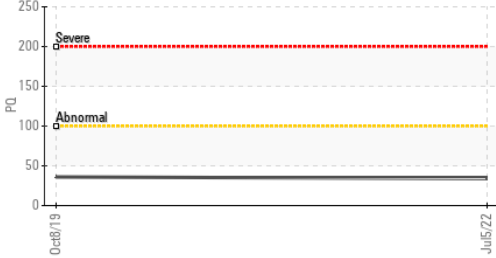
Viscosity @ 40°C



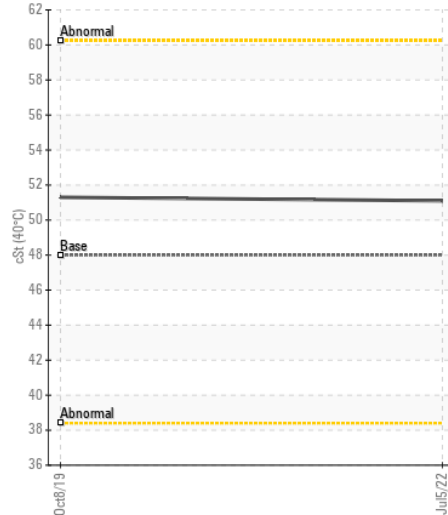
▲ Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0137085 **Received** : 06 Jul 2022
Lab Number : 05584705 **Diagnosed** : 07 Jul 2022
Unique Number : 10039131 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)