



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W64269]
 Machine Id
CATERPILLAR 926M LTE02044
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W64269)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0204101	JR0150881	JR0134993
Sample Date		Client Info		08 Feb 2024	08 Nov 2022	06 Jul 2022
Machine Age	hrs	Client Info		8402	7144	6608
Oil Age	hrs	Client Info		8402	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	33	22	32
Iron	ppm	ASTM D5185m	>200	45	37	30
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>7	0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>45	<1	<1	2
Copper	ppm	ASTM D5185m	>225	<1	<1	3
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

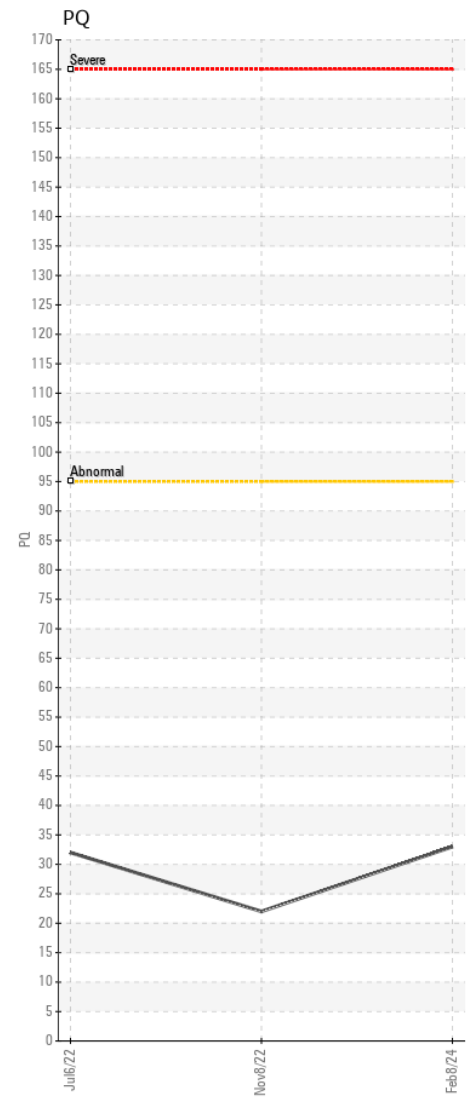
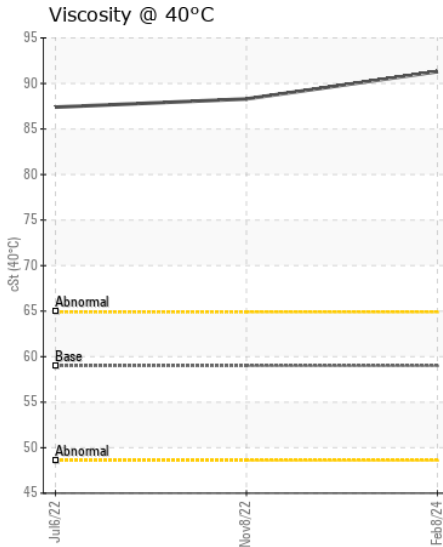
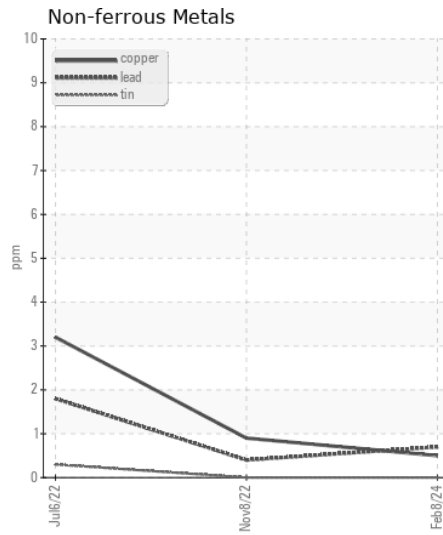
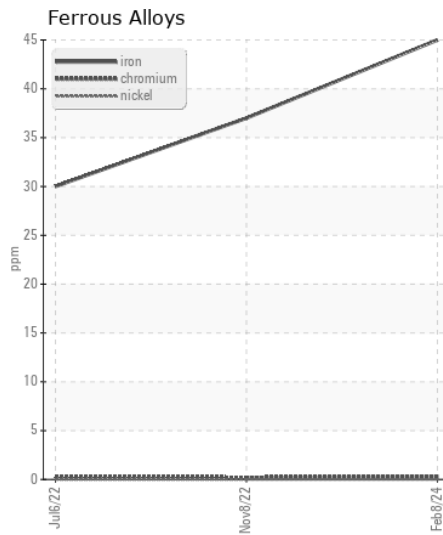
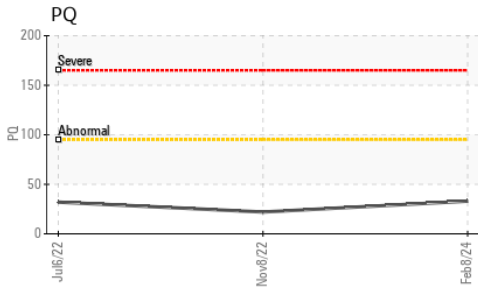
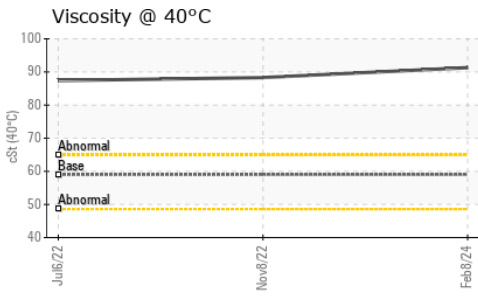
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	5	4	5
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	2
Boron	ppm	ASTM D5185m		<1	2	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		5	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		17	10	12
Calcium	ppm	ASTM D5185m		2524	2941	2951
Phosphorus	ppm	ASTM D5185m		884	1020	988
Zinc	ppm	ASTM D5185m		1198	1234	1253
Sulfur	ppm	ASTM D5185m		8033	10927	10965
Visc @ 40°C	cSt	ASTM D445	59	91.3	88.3	87.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0204101 **Received** : 14 Feb 2024
Lab Number : 06089028 **Tested** : 15 Feb 2024
Unique Number : 10876473 **Diagnosed** : 15 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@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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