



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 844K 1DW844KXKGF674415
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0199966	JR0148786	JR0124011
Sample Date		Client Info		18 Mar 2024	27 Mar 2023	08 Aug 2022
Machine Age	hrs	Client Info		17940	15963	13970
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		43	25	33
Iron	ppm	ASTM D5185m	>1501	84	74	68
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	1	3
Lead	ppm	ASTM D5185m	>51	2	2	4
Copper	ppm	ASTM D5185m	>101	53	36	36
Tin	ppm	ASTM D5185m	>10	2	2	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

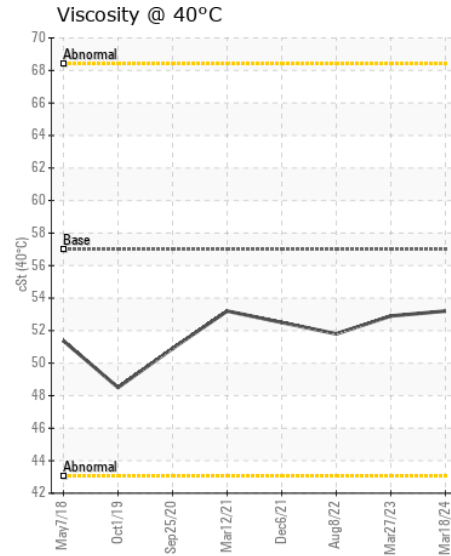
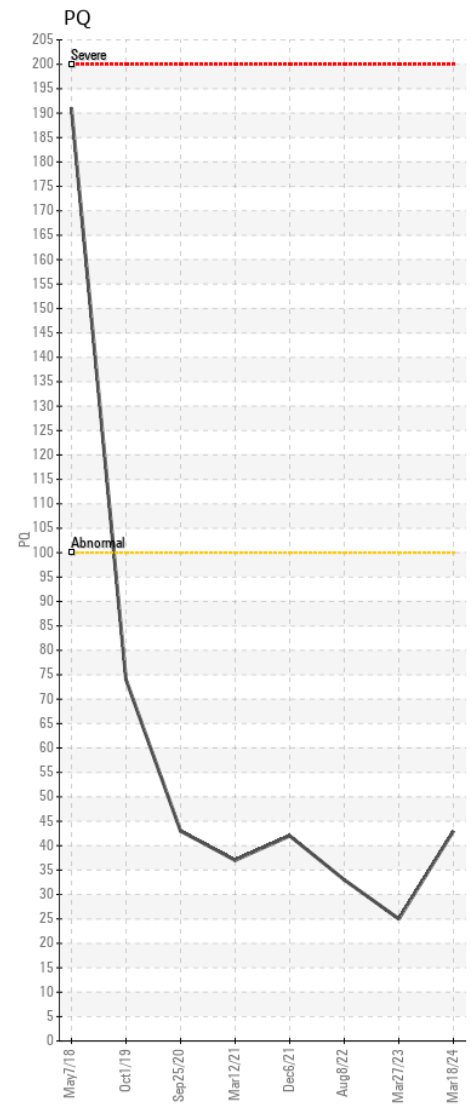
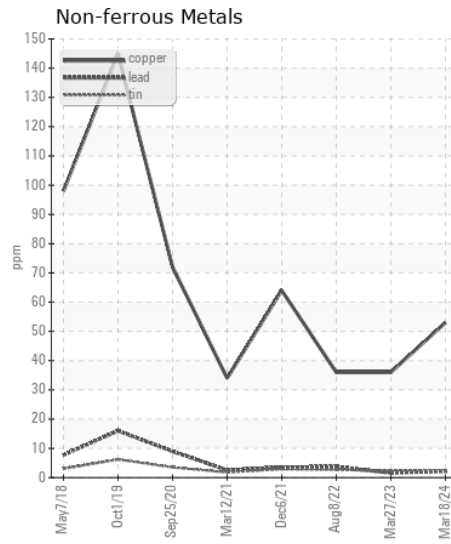
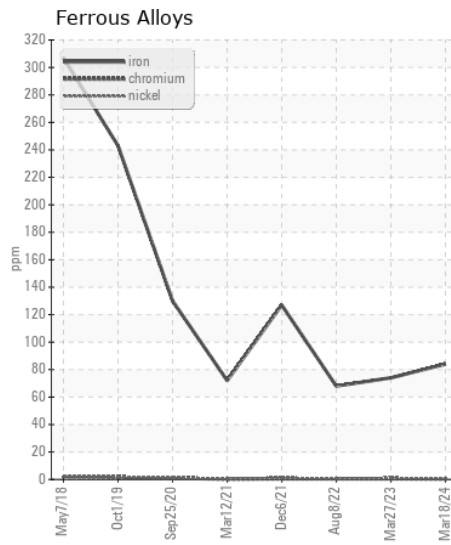
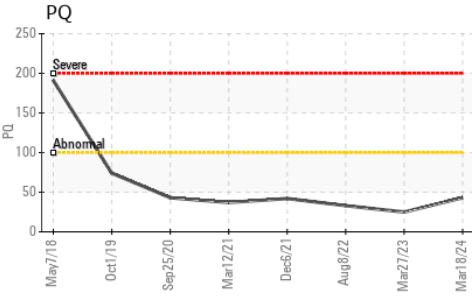
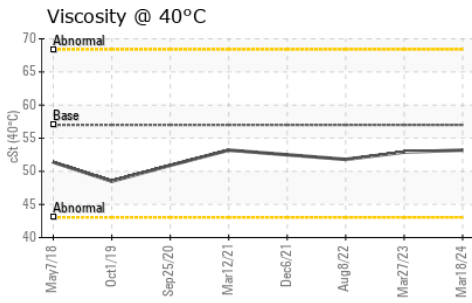
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	8	6
Potassium	ppm	ASTM D5185m	>20	0	1	<1
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	2	0	<1
Boron	ppm	ASTM D5185m	6	6	1	1
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	8	2	<1
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m	145	107	100	96
Calcium	ppm	ASTM D5185m	3570	3309	3637	3150
Phosphorus	ppm	ASTM D5185m	1290	1027	1102	916
Zinc	ppm	ASTM D5185m	1640	1173	1304	1106
Sulfur	ppm	ASTM D5185m		3971	3706	3183
Visc @ 40°C	cSt	ASTM D445	57.0	53.2	52.9	51.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199966 **Received** : 21 Mar 2024
Lab Number : 06125842 **Tested** : 25 Mar 2024
Unique Number : 10939993 **Diagnosed** : 25 Mar 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
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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)