



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 944K M02-0912 1DW944KXCLF703065

Component
Rear Left Final Drive

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

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0164751	JR0164746	JR0165943
Sample Date		Client Info		12 Apr 2024	12 Apr 2024	05 Feb 2024
Machine Age	hrs	Client Info		4573	4573	4045
Oil Age	hrs	Client Info		1000	1000	2186
Filter Age	hrs	Client Info		1000	1000	2186
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	15	17	16
Iron	ppm	ASTM D5185m	>750	5	6	13
Chromium	ppm	ASTM D5185m	>9	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	0	0	<1
Lead	ppm	ASTM D5185m	>15	0	0	2
Copper	ppm	ASTM D5185m	>40	39	39	▲ 135
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

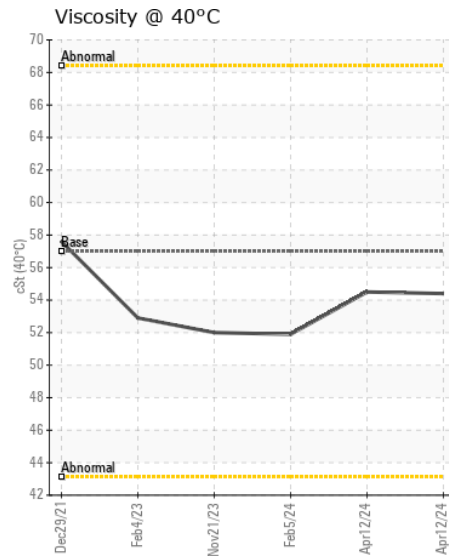
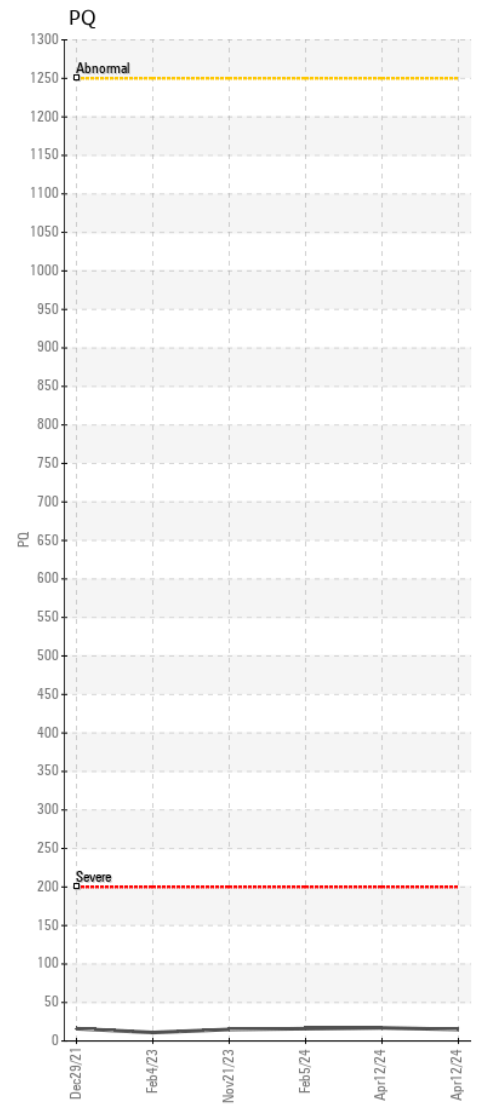
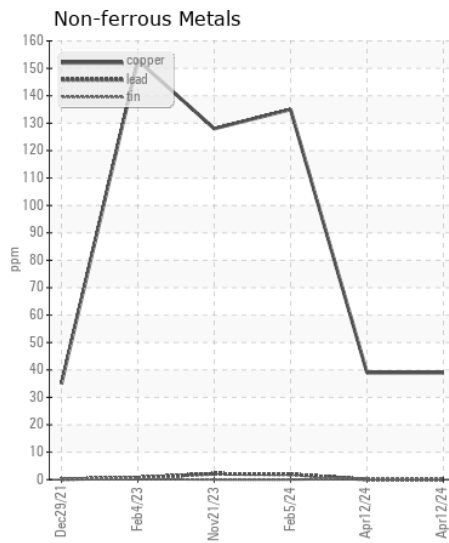
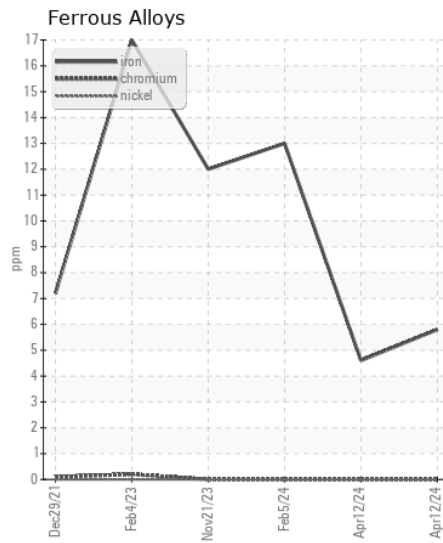
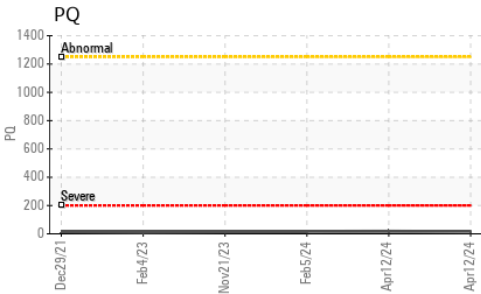
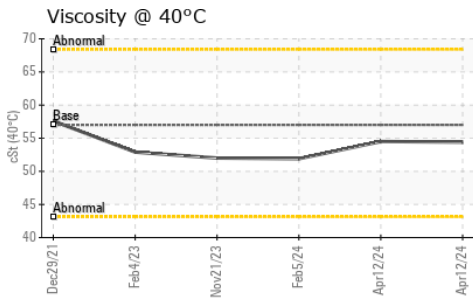
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	8	18
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	<1	2
Boron	ppm	ASTM D5185m	6	<1	5	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	2	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	145	106	117	96
Calcium	ppm	ASTM D5185m	3570	3510	3445	3190
Phosphorus	ppm	ASTM D5185m	1290	1079	1070	970
Zinc	ppm	ASTM D5185m	1640	1270	1274	1172
Sulfur	ppm	ASTM D5185m		3999	3968	3248
Visc @ 40°C	cSt	ASTM D445	57.0	54.4	54.5	51.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0164751 **Received** : 25 Apr 2024
Lab Number : 06160638 **Tested** : 07 May 2024
Unique Number : 10996061 **Diagnosed** : 07 May 2024 - Doug Bogart
Test Package : CONST (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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