



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
BOSCobel
 Machine Id
JOHN DEERE 944K M02-0912 1DW944KXCLF703065
 Component
Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0164750	JR0165938	JR0166032
Sample Date		Client Info		12 Apr 2024	05 Feb 2024	21 Nov 2023
Machine Age	hrs	Client Info		4573	4045	3836
Oil Age	hrs	Client Info		1000	2186	2186
Filter Age	hrs	Client Info		1000	2186	2186
Oil Changed		Client Info		Not Changd	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		11	11	16
Iron	ppm	ASTM D5185m	>200	<1	3	13
Chromium	ppm	ASTM D5185m	>10	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	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>50	0	3	2
Copper	ppm	ASTM D5185m	>200	0	2	▲ 128
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

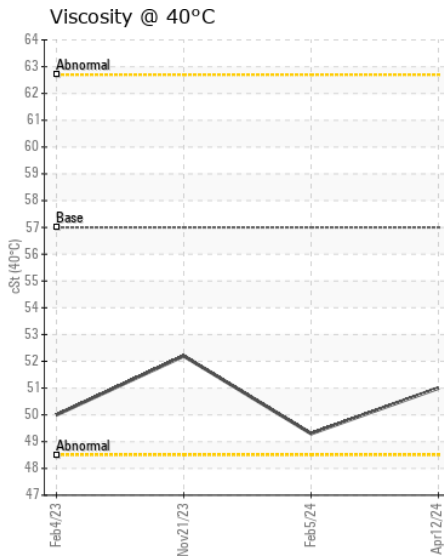
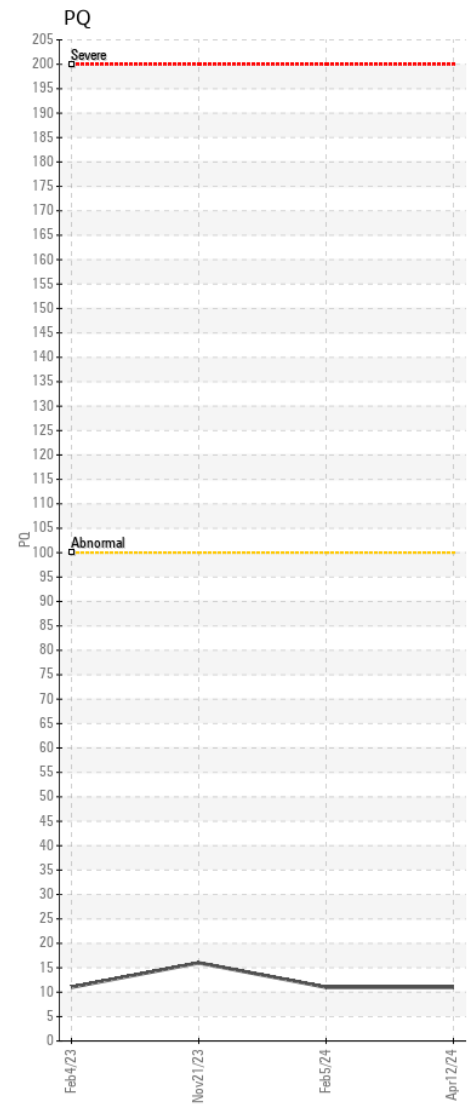
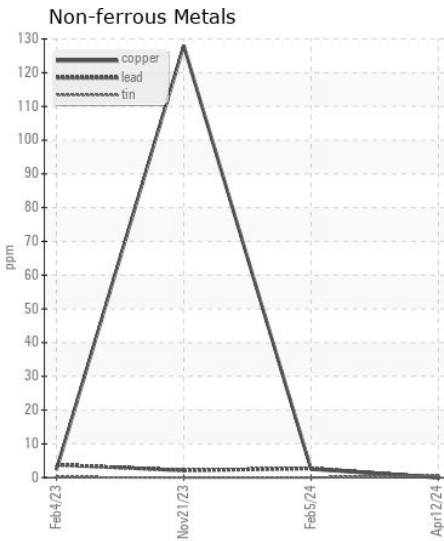
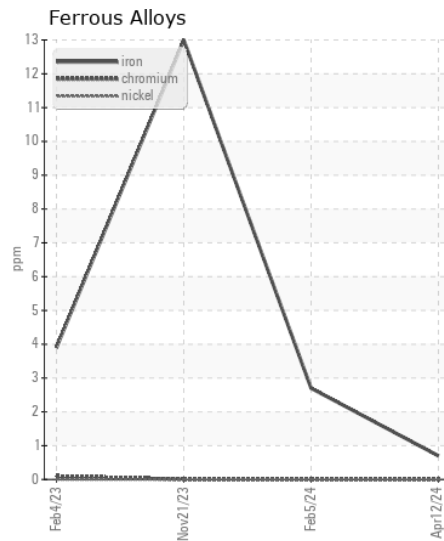
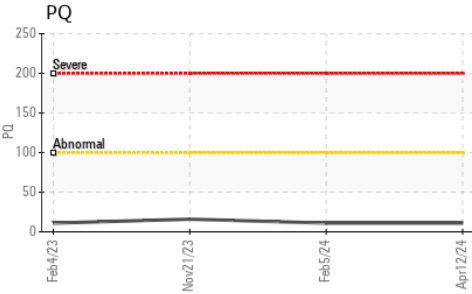
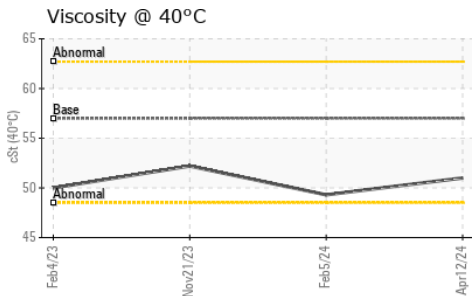
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	5	15
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	4	2
Boron	ppm	ASTM D5185m	6	4	2	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	145	106	98	100
Calcium	ppm	ASTM D5185m	3570	3572	3286	3296
Phosphorus	ppm	ASTM D5185m	1290	1109	982	974
Zinc	ppm	ASTM D5185m	1640	1291	1204	1208
Sulfur	ppm	ASTM D5185m		4336	3320	3306
Visc @ 40°C	cSt	ASTM D445	57.0	51.0	49.3	52.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0164750 **Received** : 25 Apr 2024
Lab Number : 06160640 **Tested** : 26 Apr 2024
Unique Number : 10996063 **Diagnosed** : 26 Apr 2024 - Wes Davis
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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