



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544 P 1DW544PAAMLZ12726
Component
Brake
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		JR0194395	JR0157866	JR0133434
Sample Date		Client Info		11 Jan 2024	11 May 2023	29 Jun 2022
Machine Age	hrs	Client Info		2582	1969	884
Oil Age	hrs	Client Info		0	0	884
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		14	27	55
Iron	ppm	ASTM D5185m	>350	<1	55	87
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	2	11
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>8	2	2	3
Lead	ppm	ASTM D5185m	>10	0	6	19
Copper	ppm	ASTM D5185m	>150	1	<1	5
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

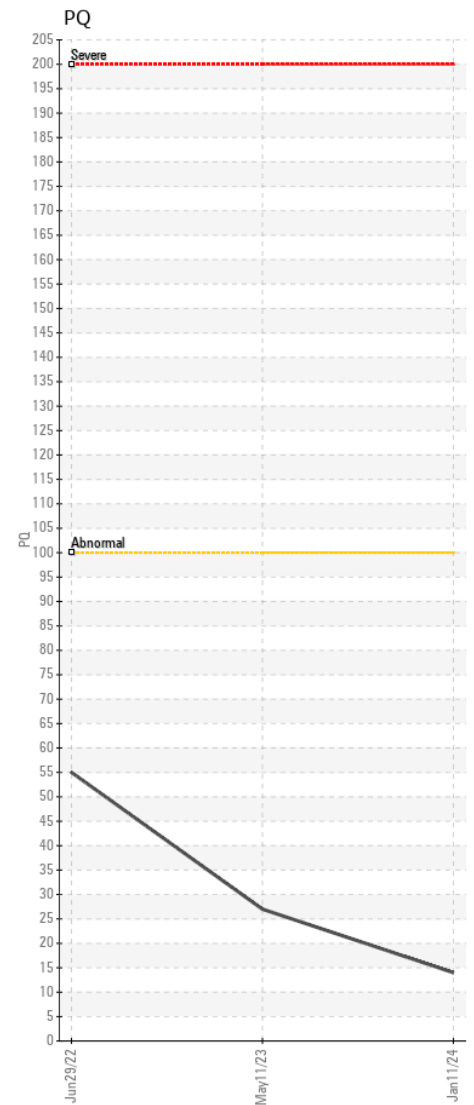
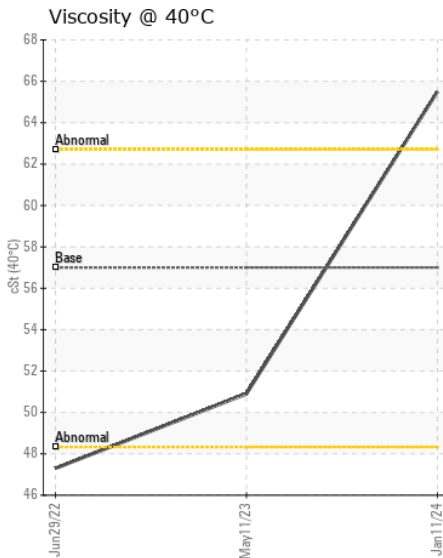
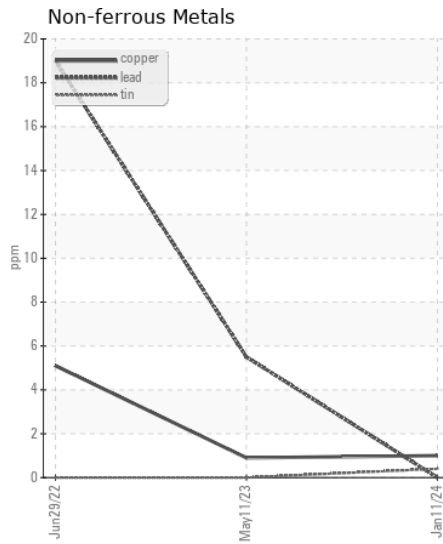
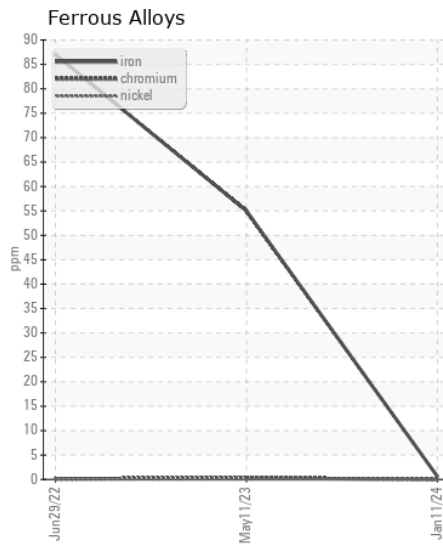
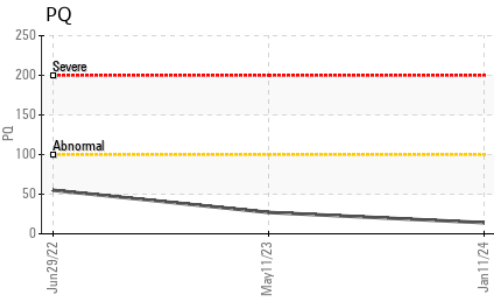
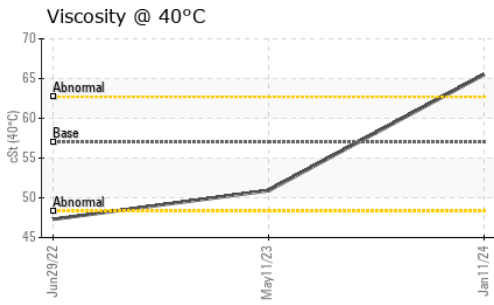
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	6	132	352
Potassium	ppm	ASTM D5185m	>20	0	4	10
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	12	19
Boron	ppm	ASTM D5185m	6	48	50	189
Barium	ppm	ASTM D5185m	0	0	<1	6
Molybdenum	ppm	ASTM D5185m	0	39	50	235
Manganese	ppm	ASTM D5185m		<1	1	3
Magnesium	ppm	ASTM D5185m	145	210	176	510
Calcium	ppm	ASTM D5185m	3570	2770	2885	1271
Phosphorus	ppm	ASTM D5185m	1290	938	960	677
Zinc	ppm	ASTM D5185m	1640	1139	1123	755
Sulfur	ppm	ASTM D5185m		3231	4363	3095
Visc @ 40°C	cSt	ASTM D445	57.0	65.5	50.9	47.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194395 **Received** : 12 Jan 2024
Lab Number : 06059562 **Diagnosed** : 16 Jan 2024
Unique Number : 10830944 **Diagnostician** : Jonathan Hester
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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