



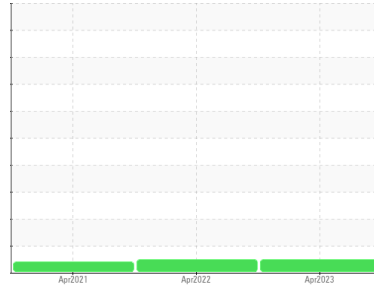
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
JOHN DEERE 544K II LW-207 (S/N HF685922)
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0588347	WC0588311	WC0355518
Sample Date	Client Info		06 Apr 2023	18 Apr 2022	15 Apr 2021
Machine Age	hrs	Client Info	3450	2480	1891
Oil Age	hrs	Client Info	3450	2480	1891
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	260	174	223
Chromium	ppm	ASTM D5185m >10	2	1	1
Nickel	ppm	ASTM D5185m >10	1	1	2
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >25	3	2	0
Lead	ppm	ASTM D5185m >25	1	2	2
Copper	ppm	ASTM D5185m >100	29	23	20
Tin	ppm	ASTM D5185m >10	1	2	1
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	90	106	110
Barium	ppm	ASTM D5185m 0	0	<1	1
Molybdenum	ppm	ASTM D5185m 0	4	3	3
Manganese	ppm	ASTM D5185m	6	4	5
Magnesium	ppm	ASTM D5185m 145	30	30	27
Calcium	ppm	ASTM D5185m 3570	3652	3829	3699
Phosphorus	ppm	ASTM D5185m 1290	1153	1169	1194
Zinc	ppm	ASTM D5185m 1640	1457	1446	1353
Sulfur	ppm	ASTM D5185m	9417	8990	7024

CONTAMINANTS

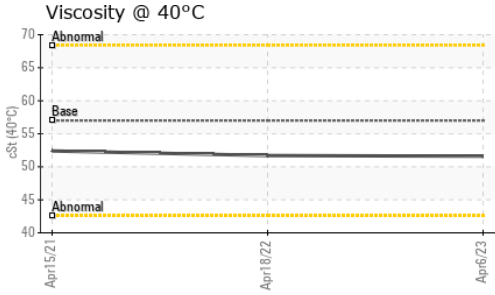
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	26	19	21
Sodium	ppm	ASTM D5185m	5	5	3
Potassium	ppm	ASTM D5185m >20	2	0	2

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	MODER	NONE
Debris	scalar	*Visual NONE	NONE	NONE	▲ MODER
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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



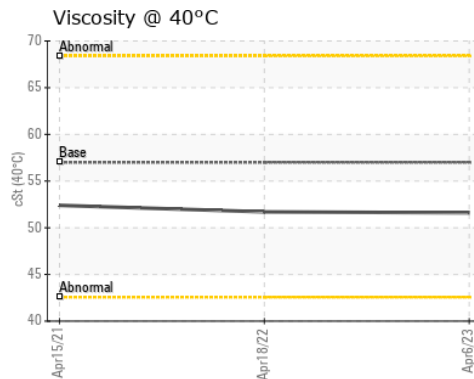
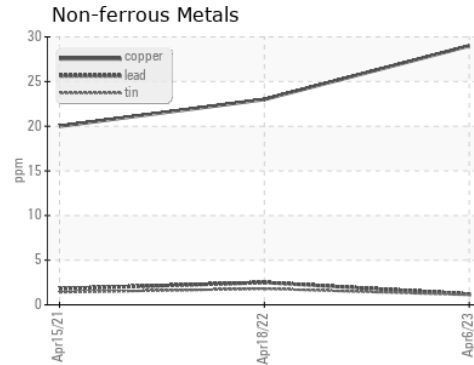
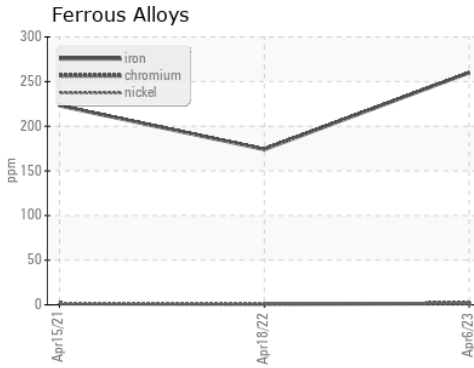
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	51.6	51.7	52.4

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0588347 **Received** : 18 Jul 2023
Lab Number : **05901604** **Diagnosed** : 20 Jul 2023
Unique Number : 10562960 **Diagnostician** : Don Baldrige
Test Package : MOB1+ (Additional Tests: PrtCount)

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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