

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL


Area

[W47347]

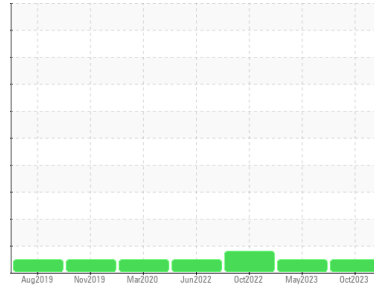
Machine Id

JOHN DEERE 844K 1DW844KAEJF688182

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			JR0179112	JR0165800	JR0125693
Sample Date	Client Info			16 Oct 2023	05 May 2023	14 Oct 2022
Machine Age	hrs	Client Info		7945	6135	3983
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

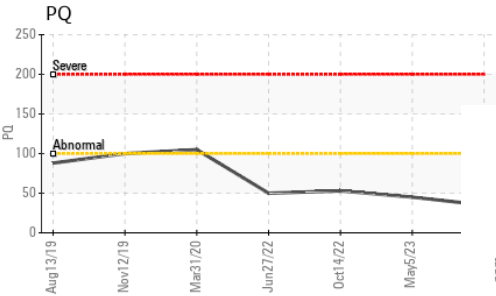
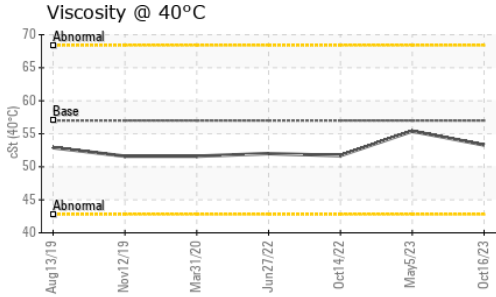
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		35	45	53
Iron	ppm	ASTM D5185m	>500	79	123	136
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	5	1
Lead	ppm	ASTM D5185m	>25	6	7	13
Copper	ppm	ASTM D5185m	>100	42	61	▲ 114
Tin	ppm	ASTM D5185m	>10	2	3	5
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	4	2	5
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	1	2
Manganese	ppm	ASTM D5185m		2	3	5
Magnesium	ppm	ASTM D5185m	145	119	98	103
Calcium	ppm	ASTM D5185m	3570	3289	3416	3462
Phosphorus	ppm	ASTM D5185m	1290	1064	1027	1007
Zinc	ppm	ASTM D5185m	1640	1275	1256	1108
Sulfur	ppm	ASTM D5185m		3485	4949	4144

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	7	9	8
Sodium	ppm	ASTM D5185m		<1	1	4
Potassium	ppm	ASTM D5185m	>20	0	1	0

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

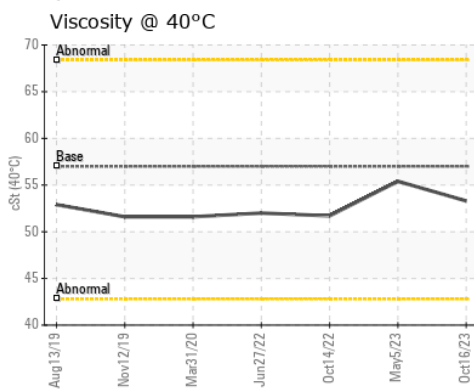
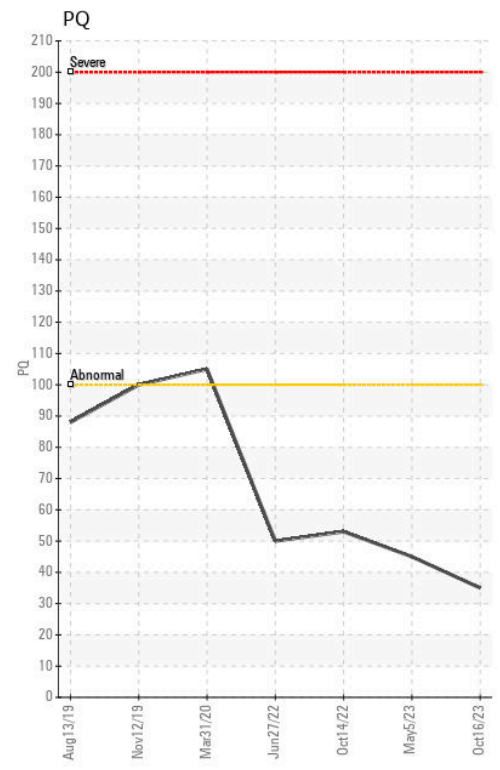
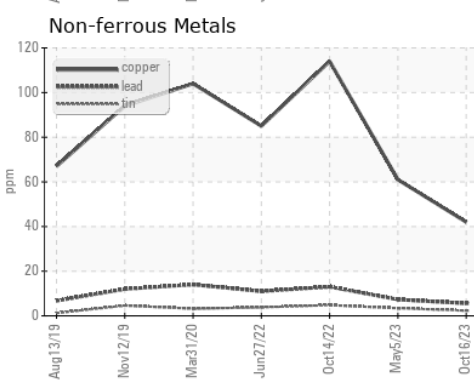
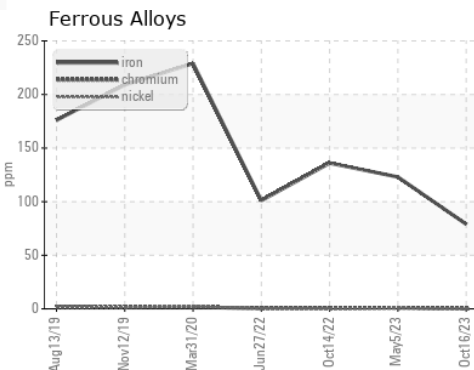
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	53.3	55.4	51.7

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0179112 **Received** : 18 Oct 2023
Lab Number : **05982578** **Diagnosed** : 19 Oct 2023
Unique Number : 10699873 **Diagnostician** : Sean Felton
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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