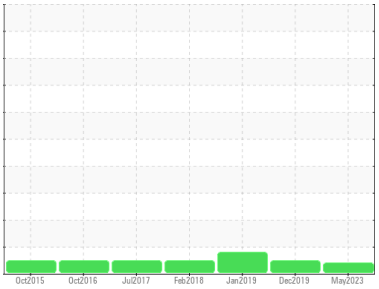
PROBLEM SUMMARY

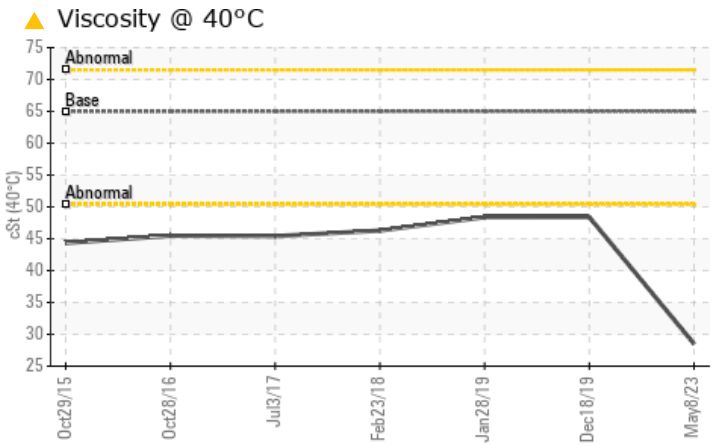
Machine Id
JOHN DEERE 544J LW-204 (S/N 619658)
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

Sample Rating Trend



VISCOSITY

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	ABNORMAL
Visc @ 40°C	cSt	ASTM D445	65	▲ **28.5**	48.4	48.39

Customer Id: ECPROA
Sample No.: WC0705266
Lab Number: 05901733
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

18 Dec 2019 Diag: Don Baldridge

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

view report

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28 Jan 2019 Diag: Don Baldridge

WEAR

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

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23 Feb 2018 Diag: Don Baldridge

NORMAL

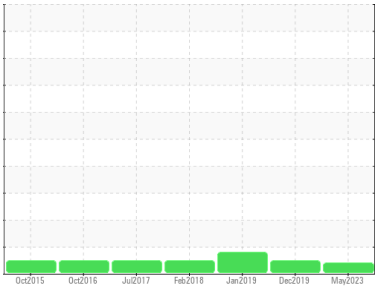
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Machine Id
JOHN DEERE 544J LW-204 (S/N 619658)
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

Sample Rating Trend



VISCOSITY

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 oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0705266**	WC04871831	WCMFC23267
Sample Date		Client Info		**08 May 2023**	18 Dec 2019	28 Jan 2019
Machine Age	hrs	Client Info		**8367**	0	6425
Oil Age	hrs	Client Info		**8367**	0	3000
Oil Changed		Client Info		**Not Changd**	N/A	Not Changd
Sample Status				**ATTENTION**	NORMAL	ABNORMAL

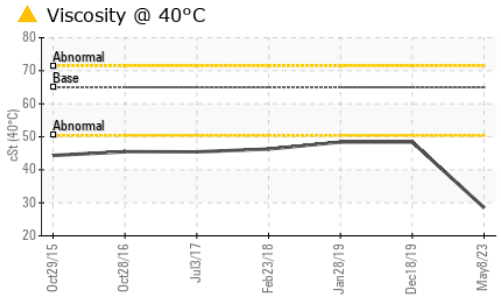
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>71	**13**	15	17
Chromium	ppm	ASTM D5185m	>11	**2**	3	3
Nickel	ppm	ASTM D5185m	>6	**0**	<1	<1
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m		**0**	<1	▲ 0
Aluminum	ppm	ASTM D5185m	>11	**6**	3	2
Lead	ppm	ASTM D5185m	>13	**<1**	2	2
Copper	ppm	ASTM D5185m	>21	**6**	6	7
Tin	ppm	ASTM D5185m	>5	**0**	<1	<1
Antimony	ppm	ASTM D5185m		**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**42**	64	53
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**3**	4	5
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m		**57**	63	74
Calcium	ppm	ASTM D5185m	87	**2647**	3237	3230
Phosphorus	ppm	ASTM D5185m	727	**951**	1126	979
Zinc	ppm	ASTM D5185m	900	**1189**	1336	1378
Sulfur	ppm	ASTM D5185m	1500	**5401**	1649	6136

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>24	**14**	14	9
Sodium	ppm	ASTM D5185m	>21	**0**	3	3
Potassium	ppm	ASTM D5185m	>20	**2**	2	1

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

OIL ANALYSIS REPORT

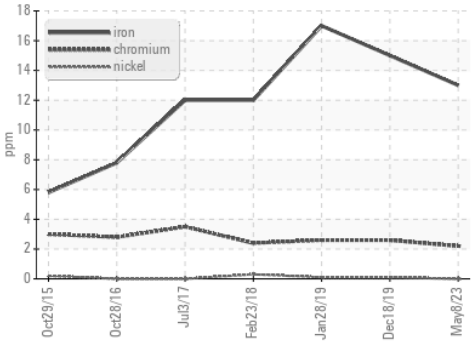


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65	▲ **28.5**	48.4	48.39

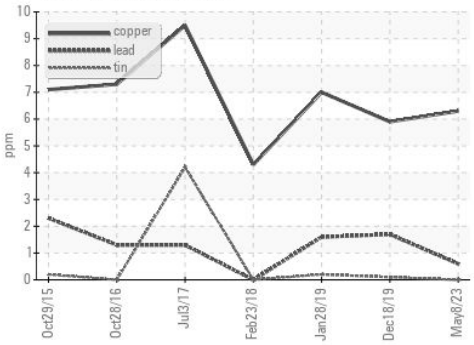
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

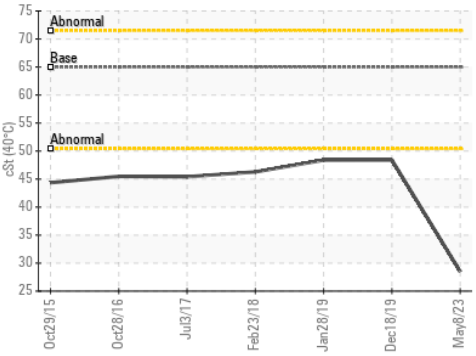
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0705266 **Received** : 18 Jul 2023
Lab Number : 05901733 **Diagnosed** : 20 Jul 2023
Unique Number : 10563089 **Diagnostician** : Don Baldridge
Test Package : FLEET (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)

E.C. PACE CO.
1811 HOLLINS RD.
ROANOKE, VA
US 24012
Contact: EDDIE SECO
ESECO@ECPACE.COM
T: (276)266-5849
F: (540)343-6909