



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 30203**  
 Component  
**Right Final Drive**  
 Fluid  
**CHEVRON DELO GEAR ESI OIL 80W90 (2 QTS)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is a light concentration of water present in the oil.

## FLUID CONDITION

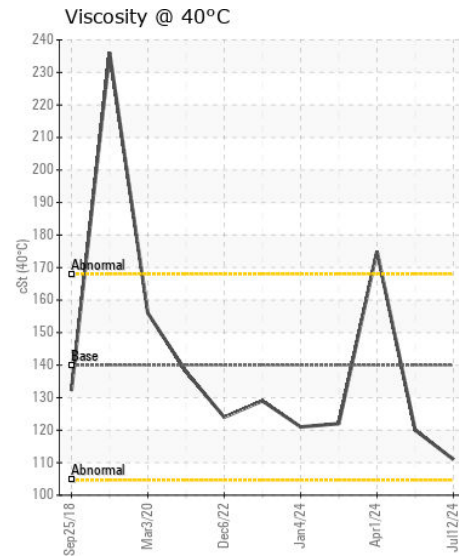
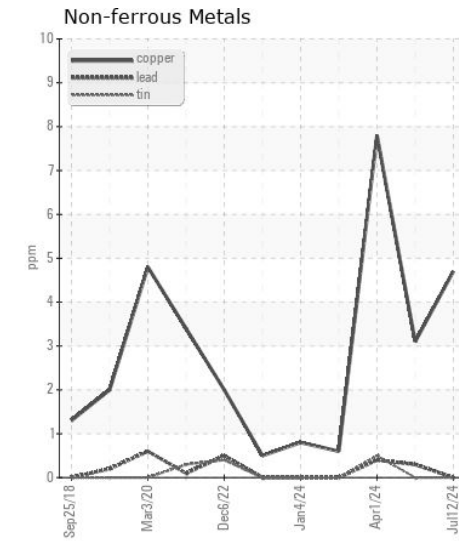
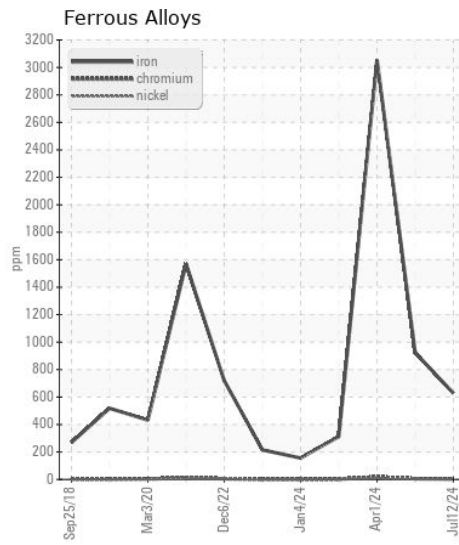
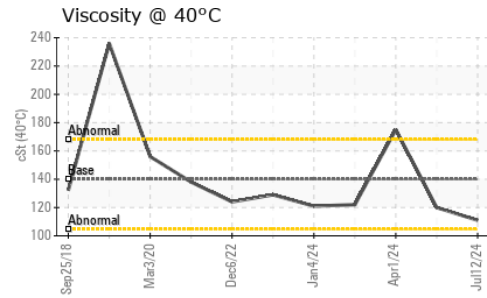
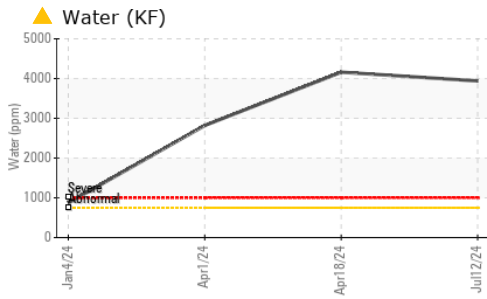
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0950668	WC0882797	WC0913785
Sample Date		Client Info		12 Jul 2024	18 Apr 2024	01 Apr 2024
Machine Age	hrs	Client Info		8122	7975	2695
Oil Age	hrs	Client Info		2000	0	250
Filter Age	hrs	Client Info		2000	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

Iron	ppm	ASTM D5185m	>750	628	▲ 923	▲ 3053
Chromium	ppm	ASTM D5185m	>9	4	5	▲ 19
Nickel	ppm	ASTM D5185m	>10	<1	2	▲ 11
Titanium	ppm	ASTM D5185m		<1	4	▲ 28
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	6	● 66	● 475
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	5	3	8
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	28	▲ 274	▲ 1969
Potassium	ppm	ASTM D5185m	>20	3	17	104
Water	%	ASTM D6304	>0.075	▲ 0.394	▲ 0.416	▲ 0.282
ppm Water	ppm	ASTM D6304	>750	▲ 3940	▲ 4160	▲ 2820
Silt	scalar	*Visual	NONE	MODER	MODER	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	▲ 0.2%	▲ 0.2%	▲ 0.2%

Sodium	ppm	ASTM D5185m	>51	2	17	103
Boron	ppm	ASTM D5185m	15	68	92	86
Barium	ppm	ASTM D5185m	0	0	2	3
Molybdenum	ppm	ASTM D5185m	0	7	9	4
Manganese	ppm	ASTM D5185m		3	6	22
Magnesium	ppm	ASTM D5185m	0	48	57	61
Calcium	ppm	ASTM D5185m	5	9	107	151
Phosphorus	ppm	ASTM D5185m	600	1295	1419	1738
Zinc	ppm	ASTM D5185m	0	122	144	58
Sulfur	ppm	ASTM D5185m	22000	15685	18440	25649
Visc @ 40°C	cSt	ASTM D445	140	111	120	175



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0950668 **Received** : 18 Jul 2024  
**Lab Number** : 06240723 **Tested** : 19 Jul 2024  
**Unique Number** : 11129557 **Diagnosed** : 20 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF )

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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