



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 30208**  
Component  
**Left 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0809950	WC0856989	WC0689290
Sample Date		Client Info		04 Jan 2024	15 Nov 2023	13 May 2022
Machine Age	hrs	Client Info		5317	5215	4296
Oil Age	hrs	Client Info		1250	1000	573
Filter Age	hrs	Client Info		1250	1000	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	191	654	469
Chromium	ppm	ASTM D5185m	>9	2	8	6
Nickel	ppm	ASTM D5185m	>10	<1	2	2
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	16	19
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	1	3	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

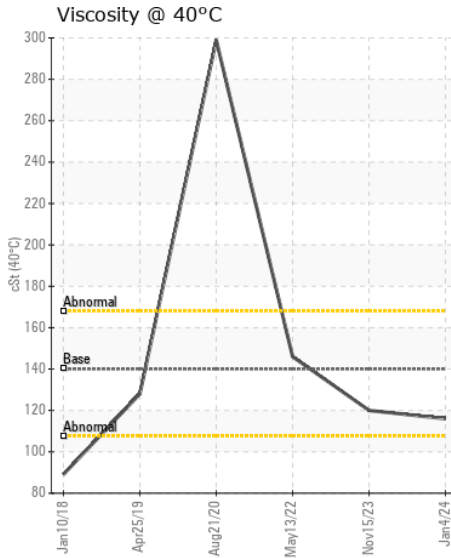
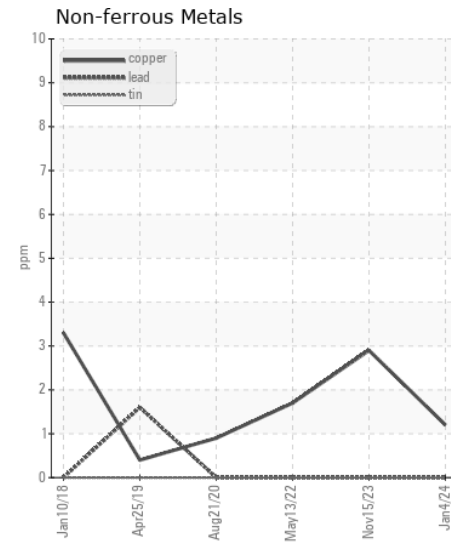
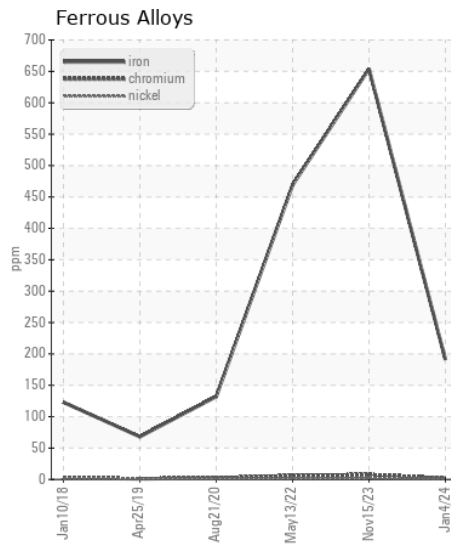
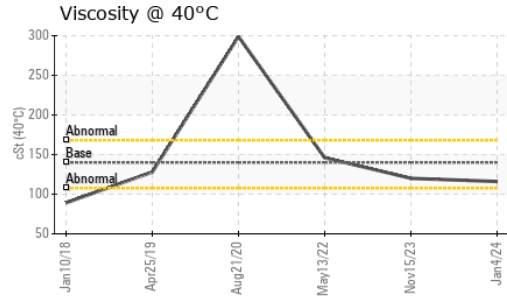
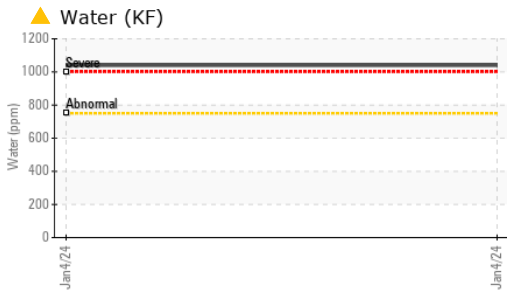
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	21	▲ 88	66
Potassium	ppm	ASTM D5185m	>20	3	6	6
Water	%	ASTM D6304	>0.075	▲ 0.104	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 1040	---	---
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	>0.075	▲ 0.2%	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	0	2
Boron	ppm	ASTM D5185m	15	100	144	164
Barium	ppm	ASTM D5185m	0	0	4	0
Molybdenum	ppm	ASTM D5185m	0	11	8	4
Manganese	ppm	ASTM D5185m		1	5	4
Magnesium	ppm	ASTM D5185m	0	20	26	15
Calcium	ppm	ASTM D5185m	5	84	162	47
Phosphorus	ppm	ASTM D5185m	600	2987	1959	1354
Zinc	ppm	ASTM D5185m	0	41	106	28
Sulfur	ppm	ASTM D5185m	22000	19539	23908	18696
Visc @ 40°C	cSt	ASTM D445	140	116	120	146



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0809950 **Received** : 16 Jan 2024  
**Lab Number** : 06061540 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10832922 **Diagnostician** : Jonathan Hester  
**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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