



# OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 30208**  
 Component  
**Right Final Drive**  
 Fluid  
**CHEVRON DELO GEAR ESI OIL 80W90 (2 QTS)**

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. 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

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

## FLUID CONDITION

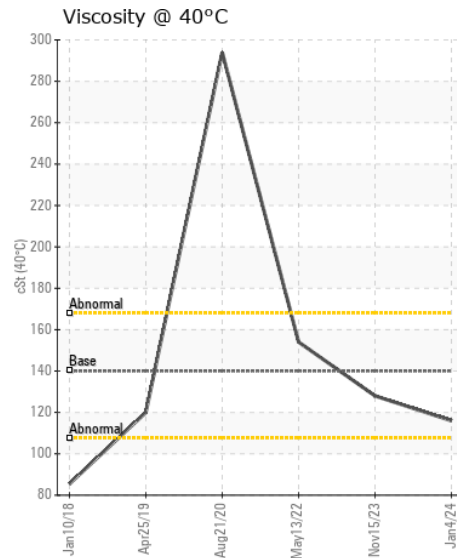
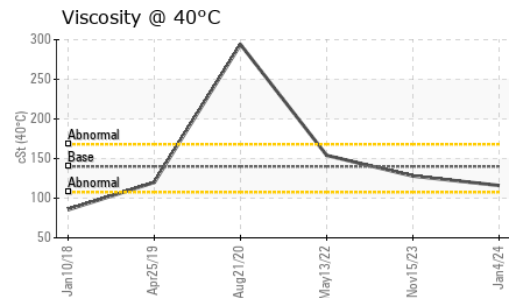
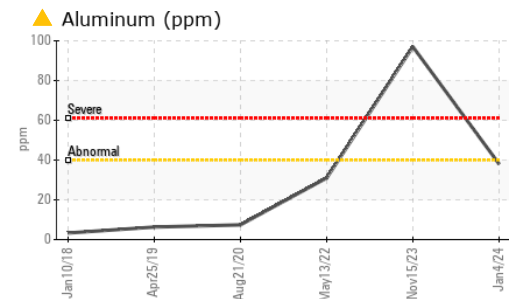
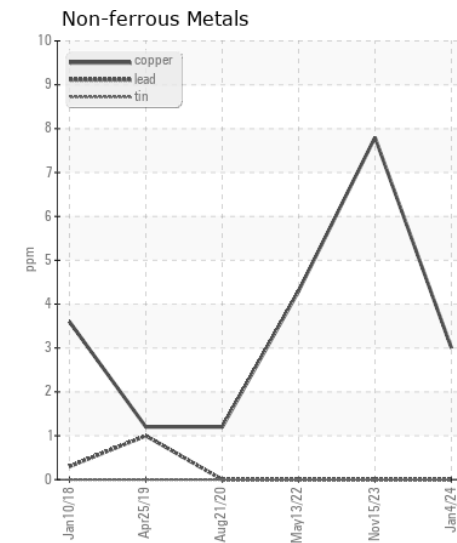
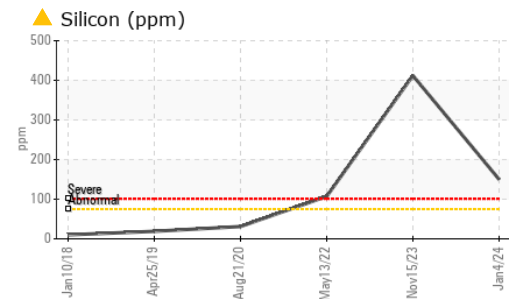
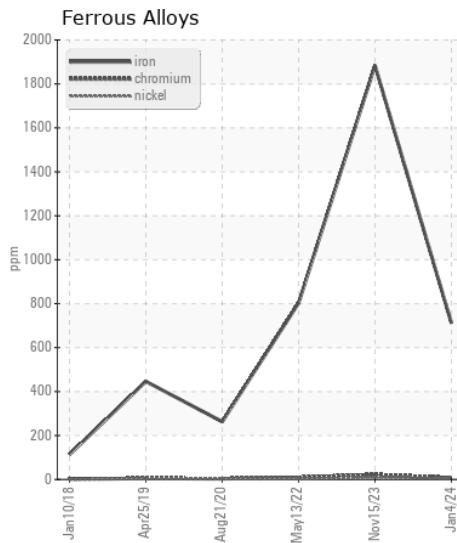
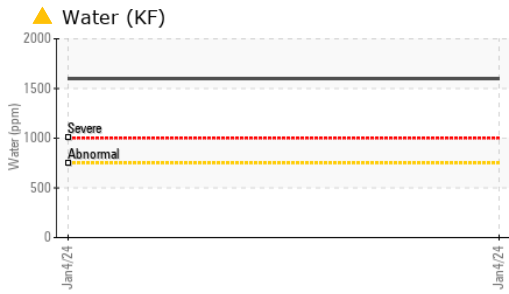
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0857093	WC0856991	WC0689289
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 Changed	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL

Iron	ppm	ASTM D5185m	>750	712	1884	803
Chromium	ppm	ASTM D5185m	>9	7	22	9
Nickel	ppm	ASTM D5185m	>10	3	10	2
Titanium	ppm	ASTM D5185m		2	5	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	38	97	31
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	3	8	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	150	412	107
Potassium	ppm	ASTM D5185m	>20	13	27	9
Water	%	ASTM D6304	>0.075	0.160	---	---
ppm Water	ppm	ASTM D6304	>750	1600	---	---
Silt	scalar	*Visual	NONE	MODER	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

Sodium	ppm	ASTM D5185m	>51	1	5	3
Boron	ppm	ASTM D5185m	15	97	146	122
Barium	ppm	ASTM D5185m	0	0	4	0
Molybdenum	ppm	ASTM D5185m	0	11	10	3
Manganese	ppm	ASTM D5185m		6	15	5
Magnesium	ppm	ASTM D5185m	0	22	26	10
Calcium	ppm	ASTM D5185m	5	87	117	35
Phosphorus	ppm	ASTM D5185m	600	2917	2020	1293
Zinc	ppm	ASTM D5185m	0	37	90	38
Sulfur	ppm	ASTM D5185m	22000	19748	24309	19050
Visc @ 40°C	cSt	ASTM D445	140	116	128	154



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0857093 **Received** : 16 Jan 2024  
**Lab Number** : 06061539 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10832921 **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)

**SULLIVAN EASTERN INC**  
 2860 C SLATER RD  
 MORRISVILLE, NC  
 US 27560

Contact: SCOTT SULLIVAN  
 ssullivan@sullivaneastern.com

T: (919)484-8993  
 F: (919)484-2136