



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 30210
 Component
Right Final Drive
 Fluid
CHEVRON DELO GEAR ESI OIL 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0950524	WC0857116	WC0733797
Sample Date		Client Info		18 Jul 2024	19 Dec 2023	05 Dec 2022
Machine Age	hrs	Client Info		4545	4114	3591
Oil Age	hrs	Client Info		250	2000	0
Filter Age	hrs	Client Info		250	2000	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	<1	▲ 1132	▲ 1266
Chromium	ppm	ASTM D5185m	>9	<1	▲ 14	▲ 16
Nickel	ppm	ASTM D5185m	>10	0	3	<1
Titanium	ppm	ASTM D5185m		0	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	1	● 17	● 27
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	0	3	3
Tin	ppm	ASTM D5185m	>10	0	<1	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

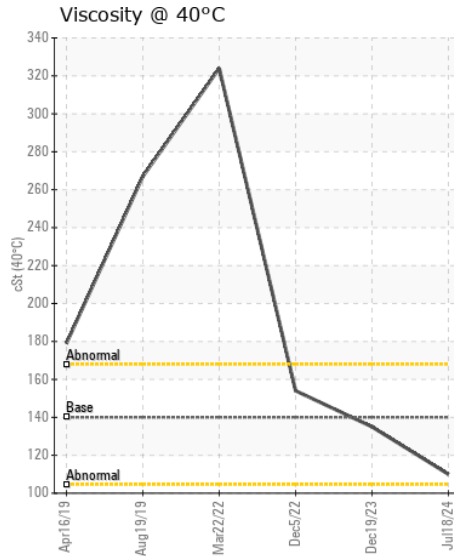
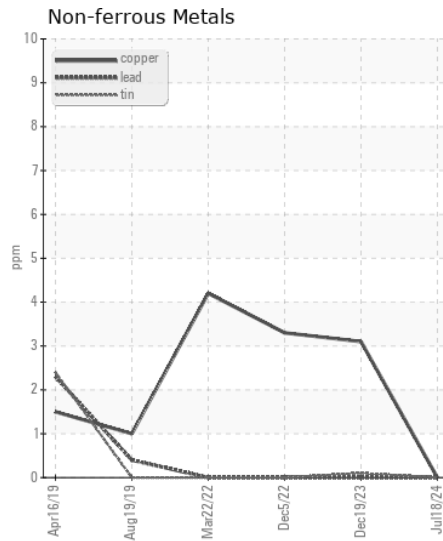
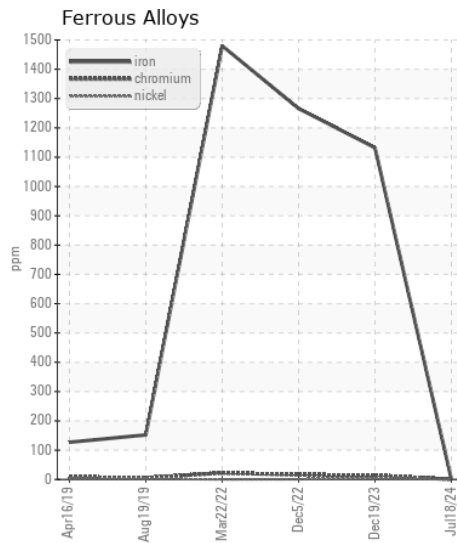
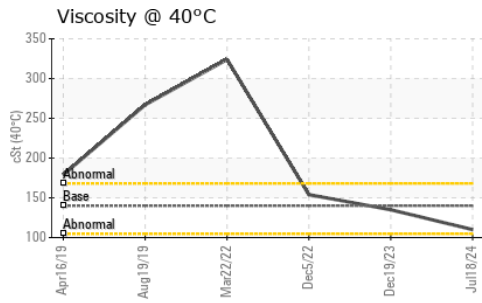
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	1	▲ 73	▲ 91
Potassium	ppm	ASTM D5185m	>20	1	4	8
Water		WC Method	>0.075	NEG	NEG	NEG
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	NEG	0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	3	<1
Boron	ppm	ASTM D5185m	15	64	162	97
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	11	2	7
Manganese	ppm	ASTM D5185m		0	10	12
Magnesium	ppm	ASTM D5185m	0	49	8	16
Calcium	ppm	ASTM D5185m	5	134	37	102
Phosphorus	ppm	ASTM D5185m	600	2156	1366	1873
Zinc	ppm	ASTM D5185m	0	123	61	103
Sulfur	ppm	ASTM D5185m	22000	14947	18477	22321
Visc @ 40°C	cSt	ASTM D445	140	110	135	154



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0950524

Lab Number : 06240728

Unique Number : 11129562

Test Package : CONST

Received : 18 Jul 2024

Tested : 19 Jul 2024

Diagnosed : 20 Jul 2024 - Don Baldrige

SULLIVAN EASTERN INC

2860 C SLATER RD

MORRISVILLE, NC

US 27560

Contact: SCOTT SULLIVAN

ssullivan@sullivan-eastern.com

T: (919)484-8993

F: (919)484-2136

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)