



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 260E 1DW260ETJKF695096
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206270	JR0189365	JR0171242
Sample Date		Client Info		11 Apr 2024	13 Nov 2023	30 Jun 2023
Machine Age	hrs	Client Info		5004	4493	4015
Oil Age	hrs	Client Info		4526	478	2000
Filter Age	hrs	Client Info		0	0	2000
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		178	194	427
Iron	ppm	ASTM D5185m	>500	455	660	939
Chromium	ppm	ASTM D5185m	>10	2	2	3
Nickel	ppm	ASTM D5185m	>10	4	2	3
Titanium	ppm	ASTM D5185m		<1	2	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	6
Lead	ppm	ASTM D5185m	>25	<1	10	16
Copper	ppm	ASTM D5185m	>100	118	▲ 119	▲ 224
Tin	ppm	ASTM D5185m	>10	4	4	6
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

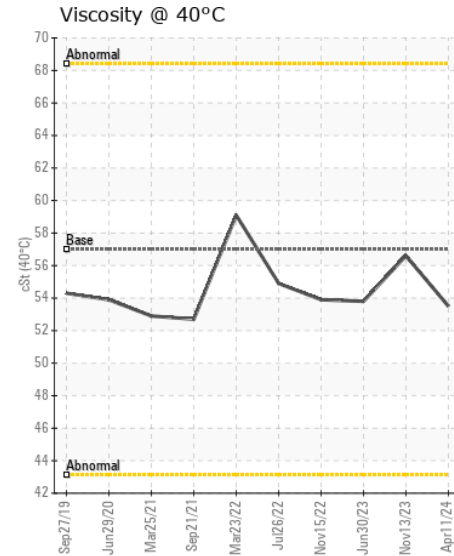
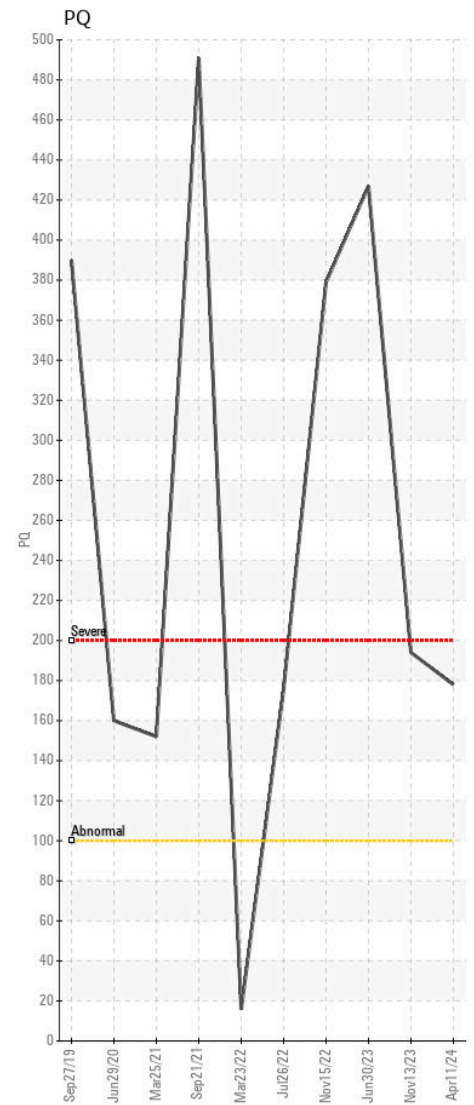
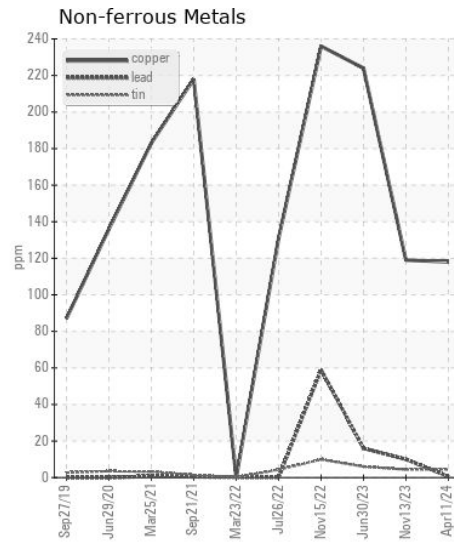
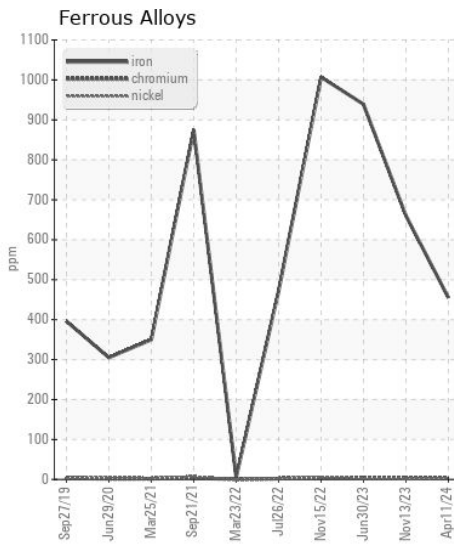
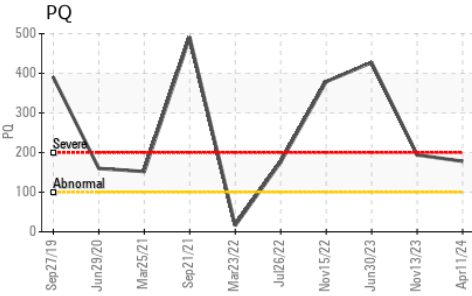
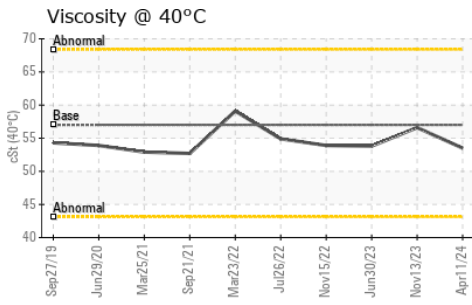
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	15	14
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	LIGHT	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	4
Boron	ppm	ASTM D5185m	6	9	12	27
Barium	ppm	ASTM D5185m	0	4	4	0
Molybdenum	ppm	ASTM D5185m	0	4	3	3
Manganese	ppm	ASTM D5185m		11	9	13
Magnesium	ppm	ASTM D5185m	145	98	94	60
Calcium	ppm	ASTM D5185m	3570	3463	3217	2747
Phosphorus	ppm	ASTM D5185m	1290	1122	964	825
Zinc	ppm	ASTM D5185m	1640	1291	1274	1021
Sulfur	ppm	ASTM D5185m		4542	3949	3936
Visc @ 40°C	cSt	ASTM D445	57.0	53.5	56.6	53.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206270 **Received** : 15 Apr 2024
Lab Number : 06148986 **Tested** : 16 Apr 2024
Unique Number : 10979064 **Diagnosed** : 17 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)