



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[G15235]

Machine Id

JOHN DEERE 260E 1DW260ETCJF693406

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (--- GAL)

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007303	WE0006161	---
Sample Date		Client Info		23 May 2024	29 Dec 2023	---
Machine Age	hrs	Client Info		3415	2914	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	18	14	---
Chromium	ppm	ASTM D5185m	>10	13	12	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	5	3	---
Lead	ppm	ASTM D5185m	>10	<1	<1	---
Copper	ppm	ASTM D5185m	>75	4	4	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

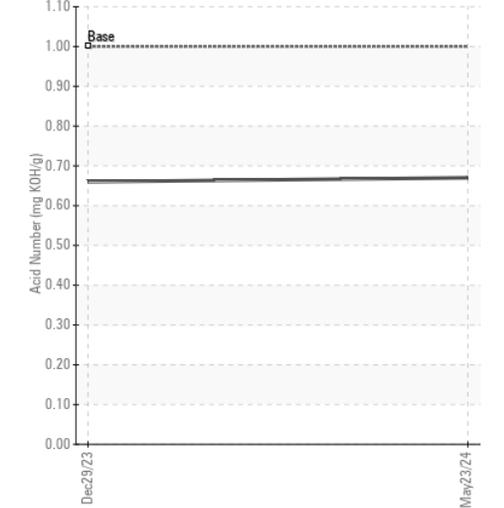
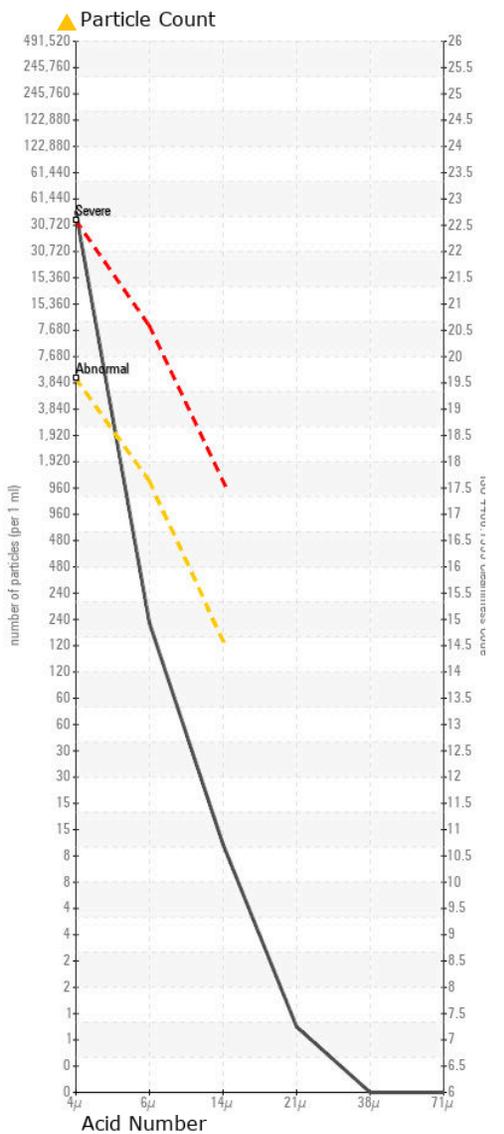
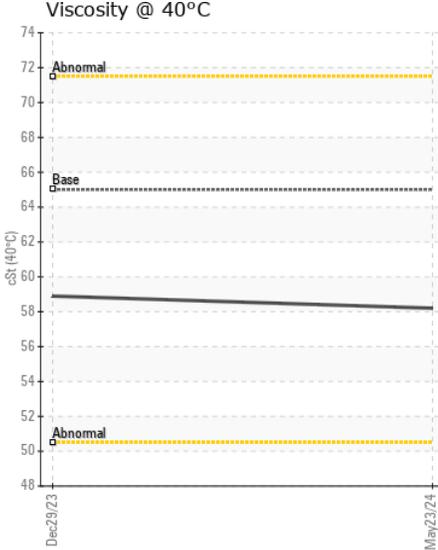
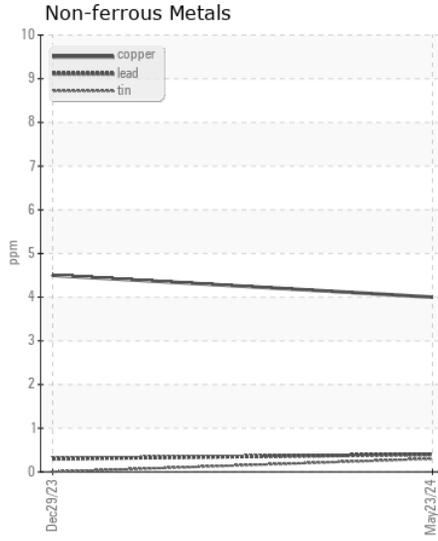
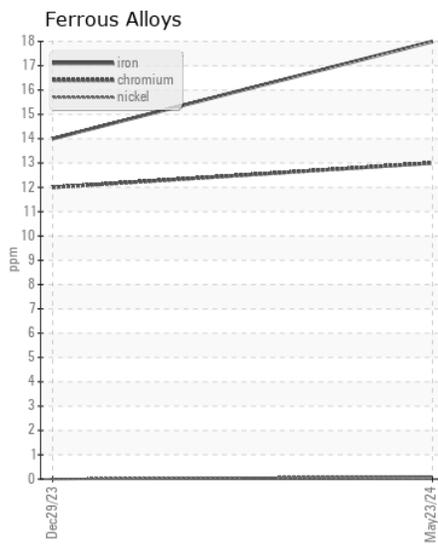
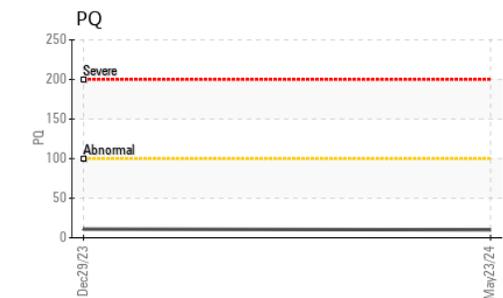
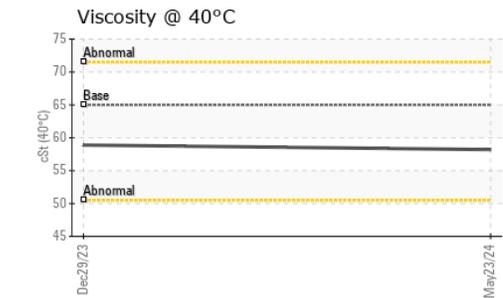
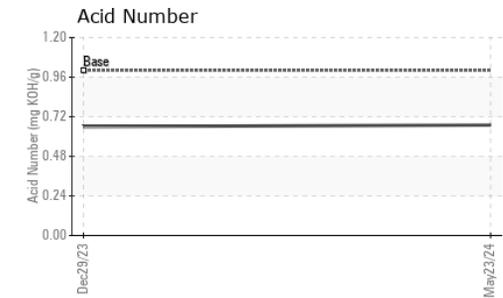
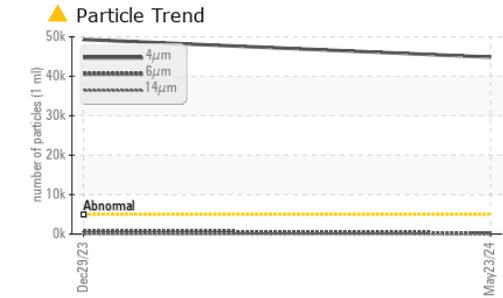
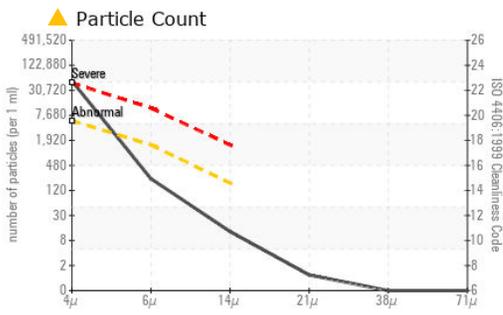
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	10	5	---
Potassium	ppm	ASTM D5185m	>20	4	5	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	44843	49330	---
Particles >6µm		ASTM D7647	>1300	202	821	---
Particles >14µm		ASTM D7647	>160	11	33	---
Particles >21µm		ASTM D7647	>40	1	8	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/15/11	23/17/12	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	1	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		3	3	---
Calcium	ppm	ASTM D5185m	87	310	349	---
Phosphorus	ppm	ASTM D5185m	727	667	749	---
Zinc	ppm	ASTM D5185m	900	906	1018	---
Sulfur	ppm	ASTM D5185m	1500	1840	2325	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.67	0.66	---
Visc @ 40°C	cSt	ASTM D445	65	58.2	58.9	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007303 **Received** : 30 May 2024  
**Lab Number** : 06195327 **Tested** : 31 May 2024  
**Unique Number** : 11057450 **Diagnosed** : 01 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE**  
 4308 WATER TRAIL  
 GRAYSVILLE, AL  
 US 35073  
 Contact: BEN BYRKET  
 bbyrket@warriortractor.com  
 T: (205)675-9045  
 F:

Certificate L2367  
 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)