

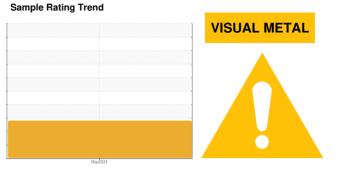
# **OIL ANALYSIS REPORT**



Machine Id JOHN DEERE 300DII 513 (S/N 1DW300DXJFE667370)

Front Differential

Fluid JOHN DEERE GL-5 80W90 (--- GAL)



### **DIAGNOSIS**

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Moderate concentration of visible metal present. All component wear rates are normal.

## Contamination

Moderate concentration of visible dirt/debris present in the oil.

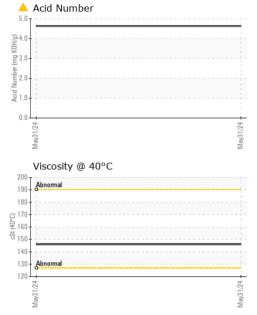
## Fluid Condition

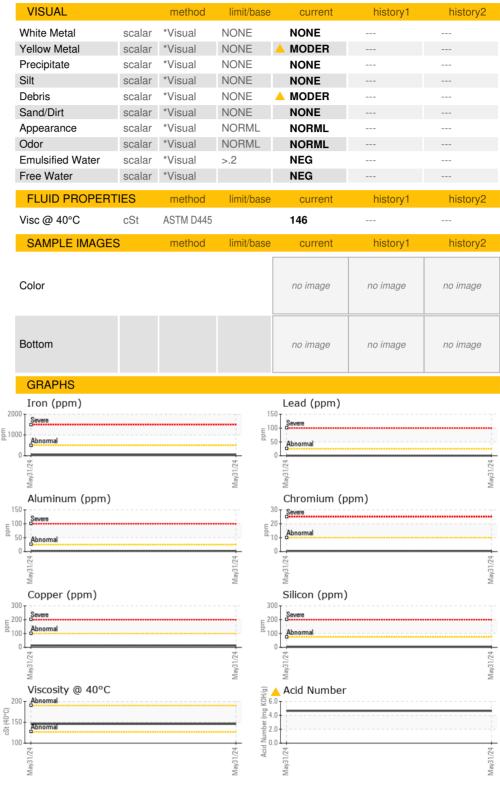
The AN level is above the recommended limit.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0960429		
Sample Date		Client Info		31 May 2024		
Machine Age	hrs	Client Info		7801		
Oil Age	hrs	Client Info		3140		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	42		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	12		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		39		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		2384		
Zinc	ppm	ASTM D5185m		23		
Sulfur	ppm	ASTM D5185m		27637		
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	3		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>4.64</b>		



# **OIL ANALYSIS REPORT**









Certificate 12367

Laboratory Sample No.

Lab Number : 06237008

Test Package : MOB 2

: WC0960429 Unique Number : 11125842

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

Received : 15 Jul 2024 **Tested** Diagnosed

: 18 Jul 2024 : 18 Jul 2024 - Jonathan Hester

Contact: JODIE MCGEE

jodie.mcgee@big4inc.com T: (936)275-7532

Contact/Location: JODIE MCGEE - BIGHEM

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - 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) F: (409)787-2071

Report Id: BIGHEM [WUSCAR] 06237008 (Generated: 07/18/2024 08:14:33) Rev: 1

**BIG 4 INC** 

US 75948

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