

OIL ANALYSIS REPORT







Machine Id **JOHN DEERE 670G 108**

Diesel Engine

Fluid
DEZOL 15W40 (--- GAL

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the

Fluid Condition

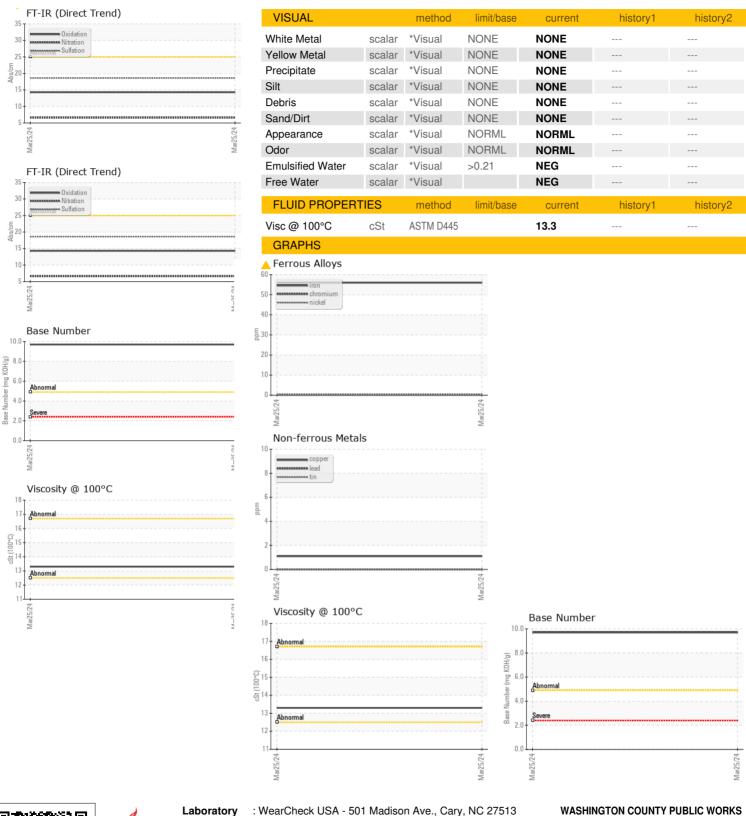
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP06178325		
Sample Date		Client Info		25 Mar 2024		
Machine Age	hrs	Client Info		10524		
Oil Age	hrs	Client Info		544		
Oil Changed	1110	Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0		
Water		WC Method		NEG		
Glycol		WC Method	70.21	NEG		
-			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	<u>^</u> 56		
Chromium	ppm	ASTM D5185m	>11	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>31	<1		
Lead	ppm	ASTM D5185m	>26	0		
Copper	ppm	ASTM D5185m		1		
Tin Vanadium	ppm	ASTM D5185m	>4	0		
Cadmium	ppm	ASTM D5185m		0		
	ppm		11 11 11			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		66		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1041 1183		
Calcium	ppm	ASTM D5185m		1090		
Phosphorus Zinc	ppm	ASTM D5185m		1280		
Sulfur	ppm	ASTM D5185m		3674		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		3		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m		0		
INFRA-RED	P. P	method	limit/base	current	history1	history2
	0/					,
Soot %	% Abs/cm	*ASTM D7844	>3	0.3		
Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415		6.6 18.6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3		
Base Number (BN)	mg KOH/g	ASTM D2896		9.7		

Sample Rating Trend



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Certificate 12367

Laboratory Sample No. Lab Number : 06178325 Unique Number : 11029651

Test Package : FLEET

: SBP06178325

Received **Tested**

: 14 May 2024 : 14 May 2024 Diagnosed : 16 May 2024 - Sean Felton

1561 RAINBOW RD WASHINGTON, KS

US 66968 Contact: KELSIE BEIKMANN wcpw@bluevalley.net

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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