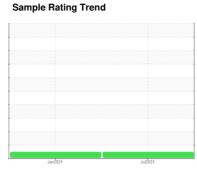


# **OIL ANALYSIS REPORT**







Machine Id
2323
Component
Diesel Engine

**DIESEL ENGINE OIL SAE 5W40 (--- QTS)** 

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

Metal levels are typical for a new component breaking in.

## Contamination

There is no indication of any contamination in the

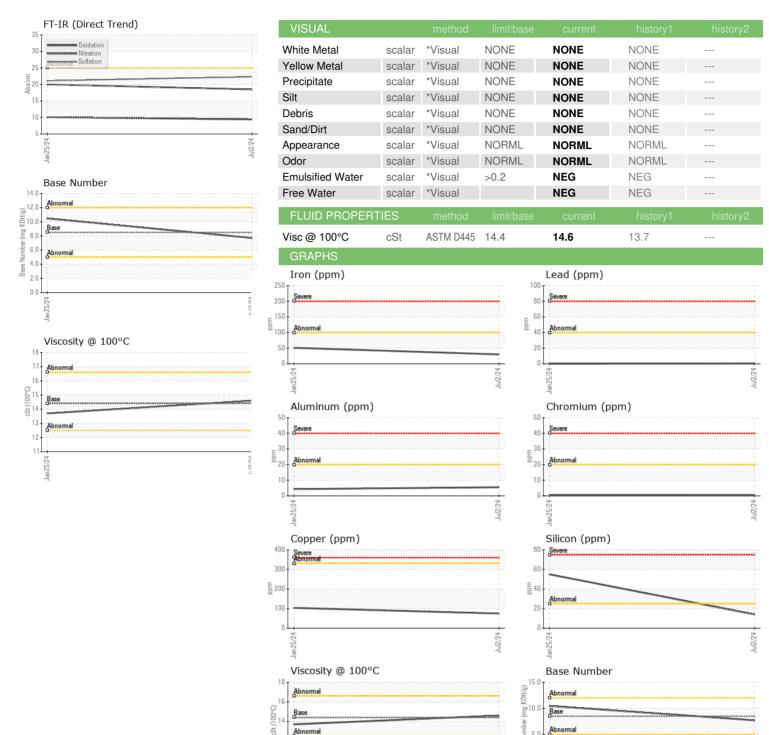
### **Fluid Condition**

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

			Jan 2024	Jui2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005210	RW0004812	
Sample Date		Client Info		02 Jul 2024	25 Jan 2024	
Machine Age	mls	Client Info		13273	4237	
Oil Age	mls	Client Info		4525	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	30	51	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>20	6	4	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	75	104	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	118	50	
Barium	ppm	ASTM D5185m	10	0	8	
Molybdenum	ppm	ASTM D5185m	100	3	56	
Manganese	ppm	ASTM D5185m		<1	5	
Magnesium	ppm	ASTM D5185m	450	99	1010	
Calcium	ppm	ASTM D5185m	3000	2078	792	
Phosphorus	ppm	ASTM D5185m	1150	949	1036	
Zinc	ppm	ASTM D5185m	1350	1163	1139	
Sulfur	ppm	ASTM D5185m	4250	3116	3416	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14	55	
Sodium	ppm	ASTM D5185m	>44	<1	4	
Potassium	ppm	ASTM D5185m	>20	4	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	9.4	10.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	21.1	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	20.0	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.71	10.46	



# **OIL ANALYSIS REPORT**







Sample No. Lab Number : 06234023 Unique Number : 11122857

: RW0005210

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jul 2024 **Tested** : 12 Jul 2024

Diagnosed : 12 Jul 2024 - Wes Davis

Test Package : MOB 2 Certificate 12367 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)

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