

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id CR1233 Component Diesel Engine Fluid NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Fuel content negligible. No other contaminants were detected in the oil.

#### 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.

		-	Jan2023	Sep2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0810433	WC0761608	
Sample Date		Client Info		16 Sep 2023	27 Jan 2023	
Machine Age	hrs	Client Info		972	203	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	12	12	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	1	2	
Lead	ppm	ASTM D5185m	>40	4	2	
Copper	ppm	ASTM D5185m	>330	60	22	
Tin	ppm	ASTM D5185m	>15	3	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		151	139	
Barium	ppm	ASTM D5185m		8	4	
Molybdenum	ppm	ASTM D5185m		12	42	
Manganese	ppm	ASTM D5185m		1	3	
Magnesium	ppm	ASTM D5185m		158	932	
Calcium	ppm	ASTM D5185m		1861	1406	
Phosphorus	ppm	ASTM D5185m		826	755	
Zinc	ppm	ASTM D5185m		1029	965	
Sulfur	ppm	ASTM D5185m		2928	2807	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	20	
Sodium	ppm	ASTM D5185m		3	2	
Potassium	ppm	ASTM D5185m	>20	6	2	
Fuel	%	ASTM D3524	>5	0.8	1.7	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	8.0	9.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	36.7	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0	46.1	
Base Number (BN)	mg KOH/g	ASTM D2896		6.2	6.9	
	0 0					



Abnorn

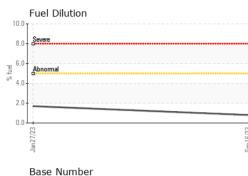
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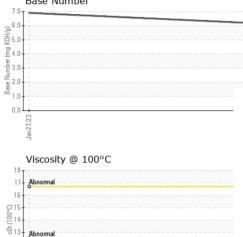
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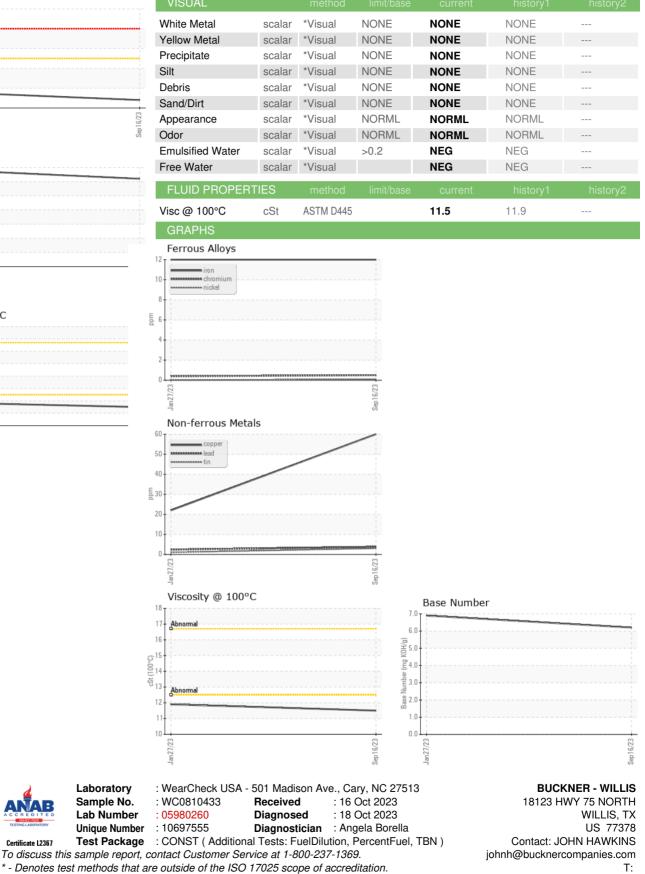
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Jan27/23

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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