

# **OIL ANALYSIS REPORT**

Sample Rating Trend



## Machine Id DETROIT 4 CYL

Component Diesel Engine Fluid SERVICE PRO 15W40 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

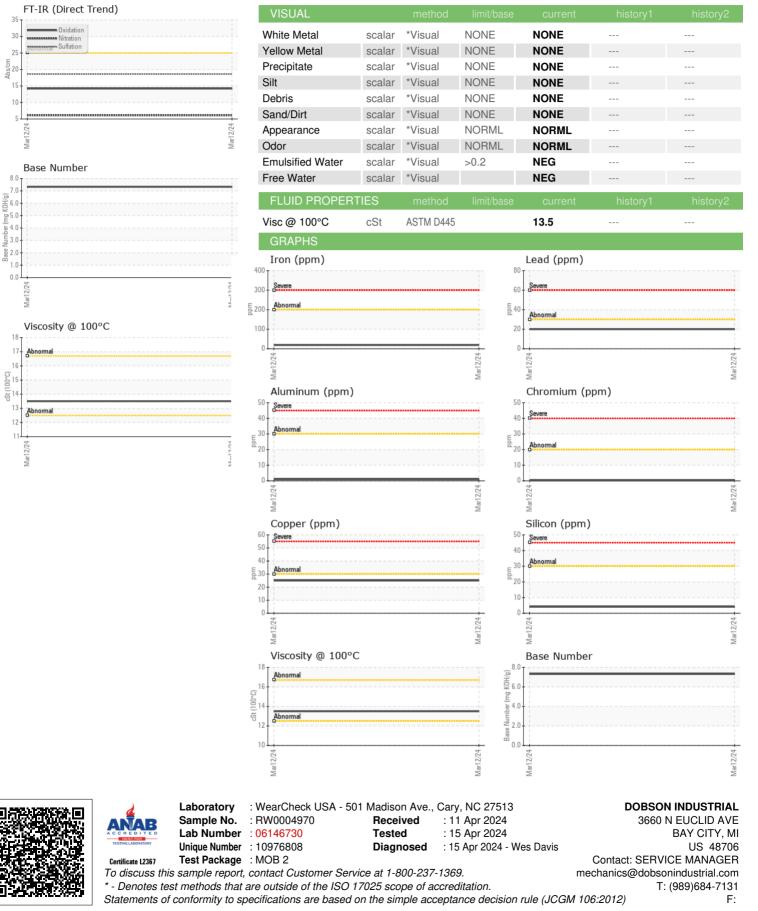
### Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0004970		
Sample Date		Client Info		12 Mar 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	19		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	1		
Lead	ppm	ASTM D5185m	>30	20		
Copper	ppm	ASTM D5185m	>30	25		
Tin	ppm	ASTM D5185m	>15	6		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		13		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		62		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		993		
Calcium	ppm	ASTM D5185m		1397		
Phosphorus	ppm	ASTM D5185m		1248		
Zinc	ppm	ASTM D5185m		1545		
Sulfur	ppm	ASTM D5185m		4680		
CONTAMINANTS						
		method	limit/base	current	history1	history2
Silicon	ppm		limit/base	current 4	history1	history2
Silicon Sodium	ppm ppm					
		ASTM D5185m	>30	4		
Sodium	ppm	ASTM D5185m ASTM D5185m	>30	4 10		
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>30 >20	4 10 7		
Sodium Potassium INFRA-RED	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>30 >20 limit/base >3	4 10 7 current	  history1	  history2
Sodium Potassium INFRA-RED Soot %	ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844	>30 >20 limit/base >3	4 10 7 current 0.3	  history1	  history2
Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> *ASTM D7844 *ASTM D7624	>30 >20 limit/base >3 >20	4 10 7 current 0.3 6.1	  history1 	  history2 
Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> *ASTM D7844 *ASTM D7624 *ASTM D7415	>30 >20 limit/base >3 >20 >30	4 10 7 current 0.3 6.1 18.6	 history1 	  history2 



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Contact/Location: SERVICE MANAGER - DOBBAY