

OIL ANALYSIS REPORT

Sample Rating Trend





Area **IFILE #24501] MACK 2003 MACK (S/N 3M005400)** Diesel Engine

Fluid {not provided} (--- 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.

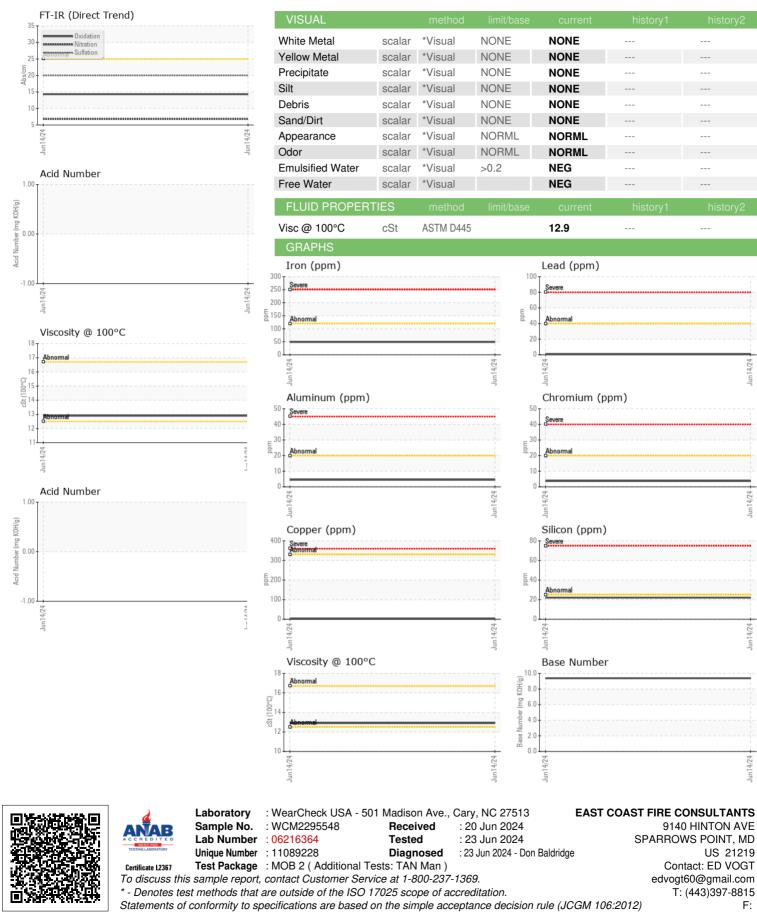
Fluid Condition

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	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCM2295548		
Sample Date		Client Info		14 Jun 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	١	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
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Iron	ppm	ASTM D5185m	>120	49		
Chromium	ppm	ASTM D5185m	>20	4		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>2	0 4		
Lead	ppm	ASTM D5185m ASTM D5185m	>20	4 <1		
	ppm		>330	2		
Copper Tin	ppm	ASTM D5185m ASTM D5185m	>330	2 <1		
Vanadium	ppm	ASTM D5185m	>10	<1		
Cadmium	ppm	ASTM D5185m		0		
	ppm			U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		52		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		33		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		328		
Calcium	ppm	ASTM D5185m		1910		
Phosphorus	ppm	ASTM D5185m		939		
Zinc	ppm	ASTM D5185m		1084		
Sulfur	ppm	ASTM D5185m		3599		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	22		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1.3		
Nitration	Abs/cm	*ASTM D7624	>20	6.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0		
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		9.37		



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Contact/Location: ED VOGT - EASSPAMD