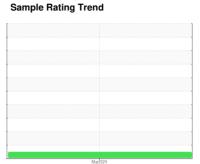


OIL ANALYSIS REPORT







Machine Id **MACK 176** Diesel Engine

DIESEL ENGINE OIL S

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

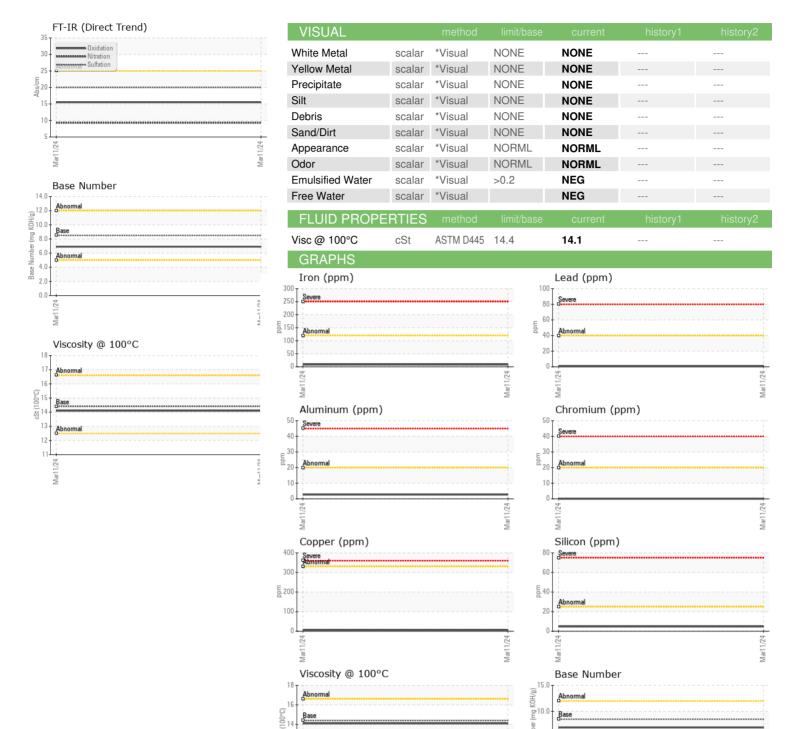
Fluid Condition

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

AE 15W40 (G	AL)			Mar2024		
•						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0074611		
Sample Date		Client Info		11 Mar 2024		
Machine Age	hrs	Client Info		15500		
Oil Age	hrs	Client Info		350		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	8		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>2	83		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>20	3		
_ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	5		
Γin	ppm	ASTM D5185m	>15	0		
√anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	128		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	5		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	486		
Calcium	ppm	ASTM D5185m	3000	1889		
Phosphorus	ppm	ASTM D5185m	1150	1090		
Zinc	ppm	ASTM D5185m	1350	1313		
Sulfur	ppm	ASTM D5185m	4250	4665		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	9.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.9		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0074611 Lab Number : 06188869 Unique Number : 11045621

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 24 May 2024

Mar11/24

Diagnosed : 24 May 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

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)

Report Id: TRIDIX [WUSCAR] 06188869 (Generated: 05/24/2024 14:32:51) Rev: 1

Contact/Location: Service Manager - TRIDIX

TRI-STATE DISPOSAL

Contact: Service Manager

14050 WOOD ST

DIXMOOR, IL

US 60426

T:

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