

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id MACK 181 Component Diesel Engine

Fluid DIESEL ENGINE OIL SAE 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.

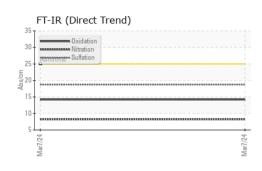
Fluid Condition

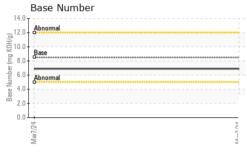
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

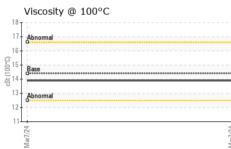
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0074617		
Sample Date		Client Info		07 Mar 2024		
Machine Age	hrs	Client Info		19500		
Oil Age	hrs	Client Info		350		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	s	method	limit/base	current	history1	history2
Iron		ASTM D5185m	>120	7		
Chromium	ppm		>20	0		
Nickel	ppm ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		79		
Silver	ppm	ASTM D5185m	>2	/9 <1		
Aluminum	ppm	ASTM D5185m	>20	6		
Lead	ppm	ASTM D5185m	>40	۰ <1		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m	210	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	121		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	8		
Manganese	ppm	ASTM D5185m	450	<1		
Magnesium	ppm	ASTM D5185m	450	511		
Calcium	ppm	ASTM D5185m	3000	1864		
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	1150 1350	1103 1324		
Sulfur	ppm	ASTM D5185m	4250	4725		
	ppm					
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>158	3		
Potassium	ppm	ASTM D5185m	>20	8		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	8.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.9		

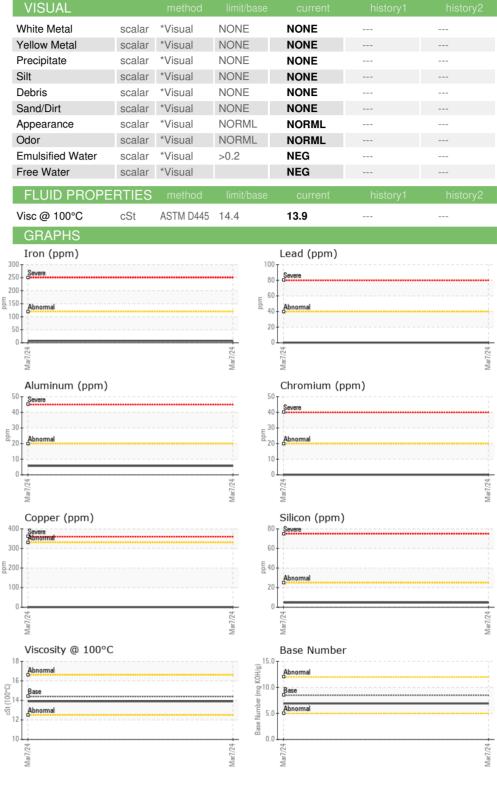


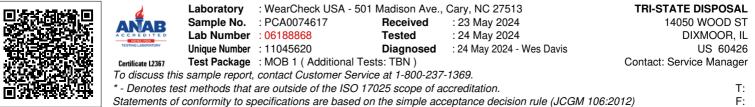
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Contact/Location: Service Manager - TRIDIX Page 2 of 2