

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Α1 Component Diesel Engine

Machine Id

DIESEL ENGINE OIL SAE 15W40 (--- QTS)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

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.

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005558		
Sample Date		Client Info		01 Apr 2024		
Machine Age	hrs	Client Info		353		
Oil Age	hrs	Client Info		0		
Oil Changed	0	Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method		NEG		
Glycol		WC Method	7 U.L	NEG		
WEAR METALS			1::-		lai ata mud	history O
		method	limit/base		history1	history2
Iron	ppm	ASTM D5185m	>100	2		
Chromium Nickel	ppm	ASTM D5185m ASTM D5185m	>20 >4	0		
Titanium	ppm	ASTM D5185m	>4	υ <1		
Silver		ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	۰ <1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	36		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	23		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	341		
Calcium	ppm	ASTM D5185m	3000	1933		
Phosphorus	ppm	ASTM D5185m	1150	962		
Zinc	ppm	ASTM D5185m	1350	1109		
Sulfur	ppm	ASTM D5185m	4250	3796		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m	>158	2		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.35		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: RW0005558 Lab Number : 06141536 Unique Number : 10966344 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 08 Apr 2024 **Tested** : 09 Apr 2024 Diagnosed : 09 Apr 2024 - Wes Davis

SAGINAW, MI US 48601

522 EZRA RUST DR

CITY OF SAGINAW - WATER TREATMENT DIVISION

Contact: Service Manager

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)

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