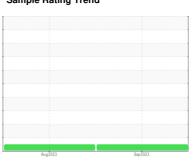


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
5831
Component
Diesel Engir

Diesel Engine

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

DIAGNOSIS

Recommendation

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

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.

			Aug2023	Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0646039	WC0646037	
Sample Date		Client Info		20 Sep 2023	29 Aug 2023	
Machine Age	mls	Client Info		378333	376870	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
					•	,
Iron	ppm	ASTM D5185m	>100	37	23	
Chromium	ppm	ASTM D5185m		2	1	
Nickel	ppm	ASTM D5185m	>4	1	0	
Titanium	ppm	ASTM D5185m		3	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m		8	2	
Lead	ppm	ASTM D5185m	>40	3	12	
Copper	ppm	ASTM D5185m		4	2	
Tin	ppm	ASTM D5185m	>15	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	22	63	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	43	23	
Manganese	ppm	ASTM D5185m		2	<1	
Magnesium	ppm	ASTM D5185m	450	510	225	
Calcium	ppm	ASTM D5185m	3000	1556	1934	
Phosphorus	ppm	ASTM D5185m	1150	1001	939	
Zinc	ppm	ASTM D5185m	1350	1241	1193	
Sulfur	ppm	ASTM D5185m	4250	2975	3266	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12	5	
Sodium	ppm	ASTM D5185m	>158	5	4	
Potassium	ppm	ASTM D5185m	>20	5	6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	9.4	12.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	28.7	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	27.0	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.4	6.1	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WC0646039 : 05963967 : 10670518 Test Package : MOB1+

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Sep 2023 : 29 Sep 2023 Diagnosed : Wes Davis Diagnostician

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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T: (910)970-0291 F: x: