

OIL ANALYSIS REPORT

Area [62005497463]

94

Component

Diesel Engine

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

Sample Rating Trend



Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

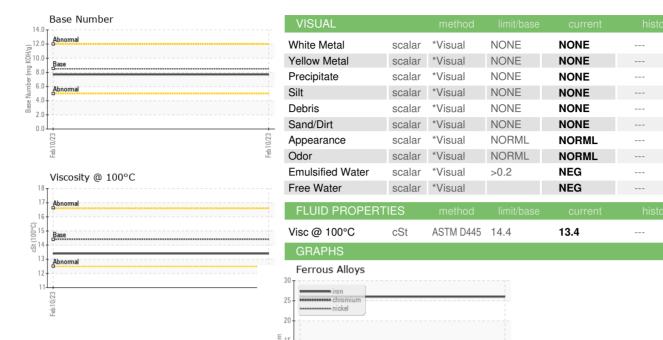
Fluid Condition

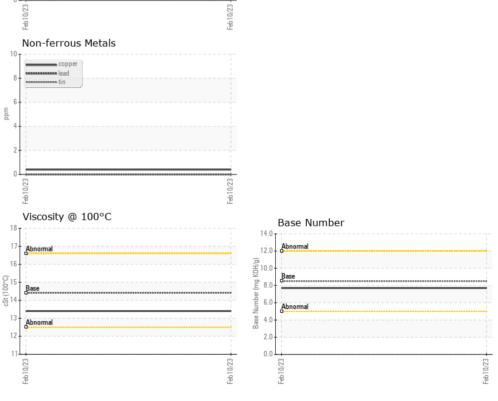
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Feb 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0723359		
Sample Date		Client Info		10 Feb 2023		
Machine Age	mls	Client Info		244150		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	26		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	98		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	17		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	702		
Calcium	ppm	ASTM D5185m	3000	1399		
Phosphorus	ppm	ASTM D5185m	1150	1012		
Zinc	ppm	ASTM D5185m	1350	1235		
Sulfur	ppm	ASTM D5185m	4250	4044		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m	>158	2		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1		
Nitration	Abs/cm	*ASTM D7624	>20	8.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.1		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.7		



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0723359 : 05834493 : 10453296

Received Diagnosed

:01 May 2023 : 02 May 2023 : Wes Davis Diagnostician

CASWELL COUNTY SCHOOL BUS 353 COUNTY HOME ROAD YANCEYVILLE, NC

US 27379 Contact: DEBRA MOORE

debra.moore@caswell.k12.nc.us T: (336)694-4116

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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