

OIL ANALYSIS REPORT

Area GEORGIA Machine Id 4906

Component Diesel Engine

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

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.



NORMAL

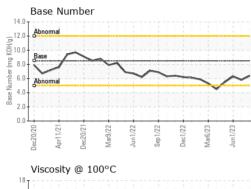
rzłożo Aprź021 Dec2021 Marź022 Junź022 Sep2022 Dec2022 Marź023 Junź023

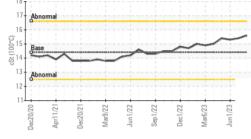
Sample Rating Trend

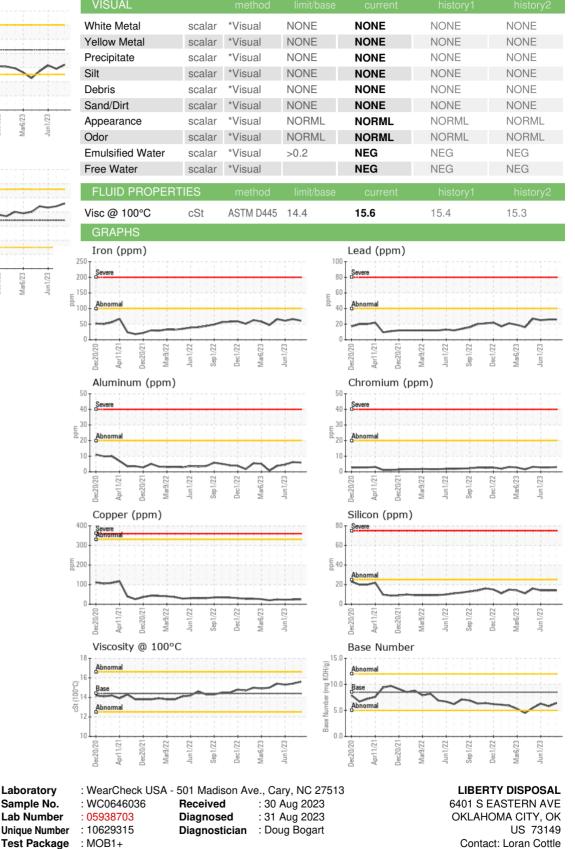
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0646036	WC0754698	WC0820357
Sample Date		Client Info		21 Aug 2023	06 Jun 2023	01 Jun 2023
Machine Age	mls	Client Info		70959	69831	67354
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	61	66	61
Chromium	ppm	ASTM D5185m	>20	3	3	3
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	6	6	5
Lead	ppm	ASTM D5185m	>40	26	26	25
Copper	ppm	ASTM D5185m	>330	25	24	23
Tin	ppm	ASTM D5185m	>15	2	2	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	36	34	36
Barium	ppm	ASTM D5185m	10	0	0	2
Molybdenum	ppm	ASTM D5185m	100	42	45	47
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m	450	526	469	514
Calcium	ppm	ASTM D5185m	3000	1781	1719	1695
Phosphorus	ppm	ASTM D5185m	1150	978	957	969
Zinc	ppm	ASTM D5185m	1350	1295	1186	1218
Sulfur	ppm	ASTM D5185m	4250	3381	3022	3058
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14	14	14
Sodium	ppm	ASTM D5185m	>158	4	0	2
Potassium	ppm	ASTM D5185m		17	19	18
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.9	1.9	1.8
			>20	15.8	14.6	15.2
Nitration	Abs/cm	^ASTM D7624	20	10.0		
	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		29.9	29.9	28.8
	Abs/.1mm					
Sulfation FLUID DEGRADA	Abs/.1mm	*ASTM D7415	>30	29.9	29.9	28.8
Oxidation	Abs/.1mm	*ASTM D7415 method *ASTM D7414	>30 limit/base >25	29.9 current	29.9 history1	28.8 history2



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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)

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

F: x:

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