

OIL ANALYSIS REPORT

[CONHER] VOLVO 2008 #111 Volvo

Component **Diesel Engine**

Volvo Mineral 15W40 CI-4 (45 LTR)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Volvo Mineral CI-4 plus 15W40)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

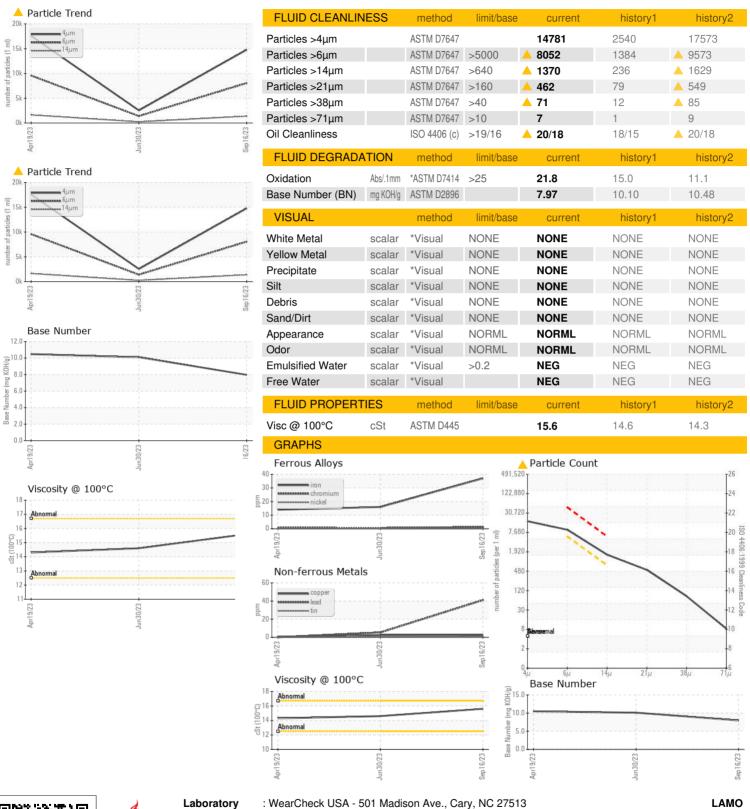
Fluid Condition

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012829	KL0012385	KL0012341
Sample Date		Client Info		16 Sep 2023	30 Jun 2023	19 Apr 2023
Machine Age	kms	Client Info		1752857	1719576	1697117
Oil Age	kms	Client Info		57740	22459	2000
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	37	16	14
Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	2	2
Lead	ppm	ASTM D5185m	>150	41	5	0
Copper	ppm	ASTM D5185m	>90	2	2	<1
Tin	ppm	ASTM D5185m	>5	<1	<1	0
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		13	34	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		9	15	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		72	99	52
Calcium	ppm	ASTM D5185m		3370	3656	3544
Phosphorus	ppm	ASTM D5185m		1034	998	959
Zinc	ppm	ASTM D5185m		1302	1234	1151
Sulfur	ppm	ASTM D5185m		4237	5134	5006
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	17	24	4
Silicon Sodium	ppm	ASTM D5185m		2	1	2
Silicon						
Silicon Sodium	ppm	ASTM D5185m		2	1	2
Silicon Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	2 <1	1 2	2 1
Silicon Sodium Potassium INFRA-RED	ppm ppm	ASTM D5185m ASTM D5185m method	>20 limit/base >7.5	2 <1 current	1 2 history1	2 1 history2



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package

: KL0012829 : 05964774 : 10671325

Received Diagnosed

Diagnostician

: 29 Sep 2023 : 02 Oct 2023 : Don Baldridge : MOB 2 (Additional Tests: PrtCount)

MX Contact: ANDRES MONROY andres.monroy@cmoderna.com

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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