

OIL ANALYSIS REPORT

[CONHER] Machine Id VOLVO 2008 #111 Volvo

Component Diesel Engine

Volvo Mineral 15W40 CI-4 (45 LTR)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

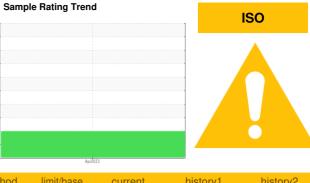
All component wear rates are normal.

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.



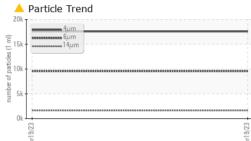
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012341		
Sample Date		Client Info		19 Apr 2023		
Machine Age	kms	Client Info		1697117		
Oil Age	kms	Client Info		2000		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	14		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>150	0		
Copper	ppm	ASTM D5185m	>90	<1		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		52		
Calcium	ppm	ASTM D5185m		3544		
Phosphorus	ppm	ASTM D5185m		959		
Zinc	ppm	ASTM D5185m		1151		
Sulfur	ppm	ASTM D5185m		5006		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	4		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	7.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4		

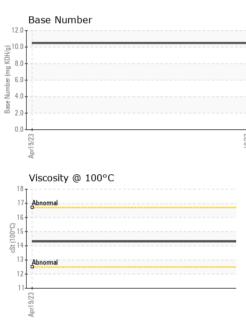


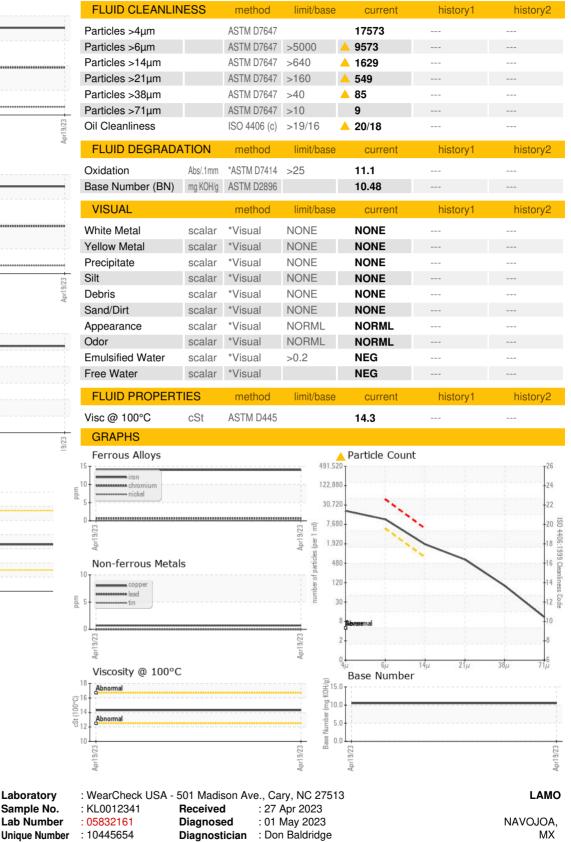
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Test Package : MOB 2 (Additional Tests: PrtCount) Contact: ANDRES MONROY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. andres.monroy@cmoderna.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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