

OIL ANALYSIS REPORT

Sample Rating Trend





AZ434 I Component

Main Engine

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (20 LTR)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

0 VDS-3 (20 LTH	,			Apr2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0753585		
Sample Date		Client Info		11 Apr 2023		
Machine Age	hrs	Client Info		1215		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>75	20		
Chromium	ppm	ASTM D5185(m)		<1		
Nickel	ppm	ASTM D5185(m)	>2	2		
Fitanium	ppm	ASTM D5185(m)		<1		
Silver		ASTM D5185(m) ASTM D5185(m)	>2	0		
Aluminum	ppm			2		
	ppm	ASTM D5185(m) ASTM D5185(m)	>15	2		
Lead	ppm			2		
Copper	ppm	ASTM D5185(m)				
-in Antimony	ppm	ASTM D5185(m)	>14	1		
ntimony	ppm	ASTM D5185(m)		0		
/anadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2.5	1		
Barium	ppm	ASTM D5185(m)	0.0	0		
Nolybdenum	ppm	ASTM D5185(m)	0.7	63		
Manganese	ppm	ASTM D5185(m)	0.0	<1		
<i>I</i> agnesium	ppm	ASTM D5185(m)	256	1008		
Calcium	ppm	ASTM D5185(m)	2057	1127		
Phosphorus	ppm	ASTM D5185(m)	935	1125		
Zinc	ppm	ASTM D5185(m)	1223	1251		
Sulfur	ppm	ASTM D5185(m)	4079	2820		
₋ithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	6		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0.3		
Nitration	Abs/cm	ASTM D7624*	>20	7.9		
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.9		
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.4		
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Report Id: COM210HAM [WCAMIS] 02551371 (Generated: 11/10/2023 07:55:56) Rev: 1

Contact/Location: Peter Bateman - COM210HAM



130

1250

1200

1150

1100

Apr1

phosphorus

OIL ANALYSIS REPORT

scalar

scalar

scalar

Visual*

Visual*

Visual*

NONE

NONE

NONE

NONE

NONE

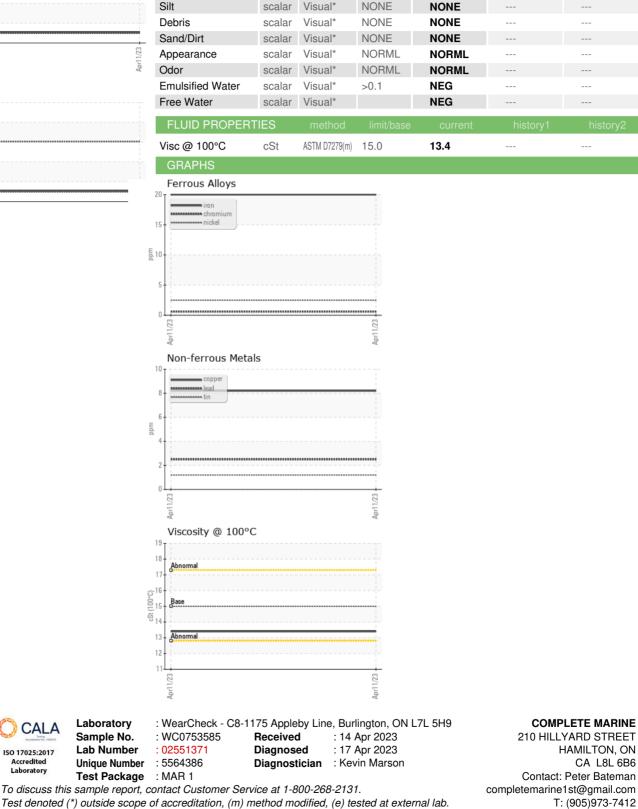
NONE

White Metal

Yellow Metal

Precipitate





Validity of results and interpretation are based on the sample and information as supplied.

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