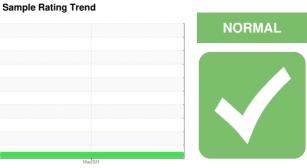


OIL ANALYSIS REPORT

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WOLVO L110H 315608

Diesel Engine

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (6 GAL)

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

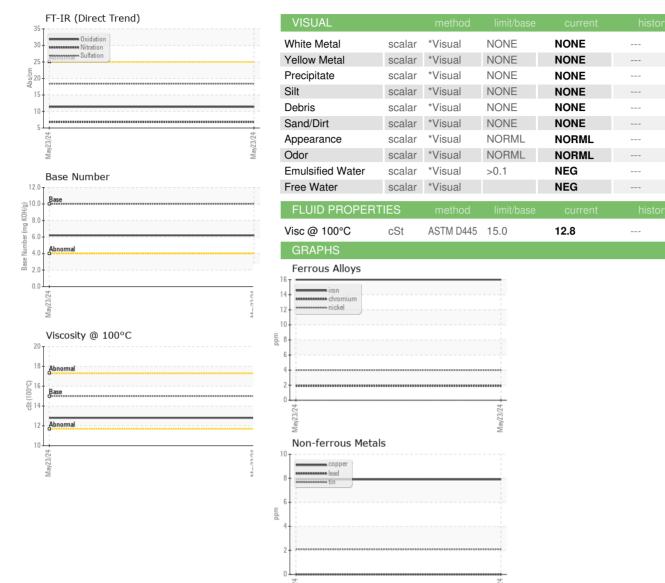
Fluid Condition

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

NE OIL 15W40 VDS-3	8 (6 GAL)			May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0002183		
Sample Date		Client Info		23 May 2024		
Machine Age	hrs	Client Info		656		
Oil Age	hrs	Client Info		656		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	Ν	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0		
Water		WC Method	>0.1	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	4		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	3		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>15	8		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2.5	8		
Barium	ppm	ASTM D5185m	0.0	1		
Molybdenum	ppm	ASTM D5185m	0.7	15		
Manganese	ppm	ASTM D5185m	0.0	3		
Magnesium	ppm	ASTM D5185m	256	215		
Calcium	ppm	ASTM D5185m	2057	2070		
Phosphorus	ppm	ASTM D5185m	935	936		
Zinc	ppm	ASTM D5185m	1223	1089		
Sulfur	ppm	ASTM D5185m	4079	3917		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	15		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.4		
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.2		



OIL ANALYSIS REPORT







Sample No.

: ML0002183 Lab Number : 06196247 Unique Number : 11058370

cSt (100°C)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Viscosity @ 100°C

Tested Diagnosed

: 03 Jun 2024 : 03 Jun 2024 - Don Baldridge

: 31 May 2024

(mg KOH/c

6.0

0.0

Base Number

4700 LAWRENCE ST HYATTSVILLE, MD US 20781 Contact: MIKE DESJARDINS

Test Package : CONST (Additional Tests: TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

mdesjarkins@wbwaste.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)

T:

F:

RECYCLE 1