

[25675] VOLVO L120H 632015 Diesel Engine

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

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	No corrective action is recommended at this time. Oil and fi
	at the time of sampling has been noted. Resample at the ne

RECOMMENDATION

ilter change next service interval to monitor.

FΔK

The aluminum level is abnormal. All other component wear rates are normal.

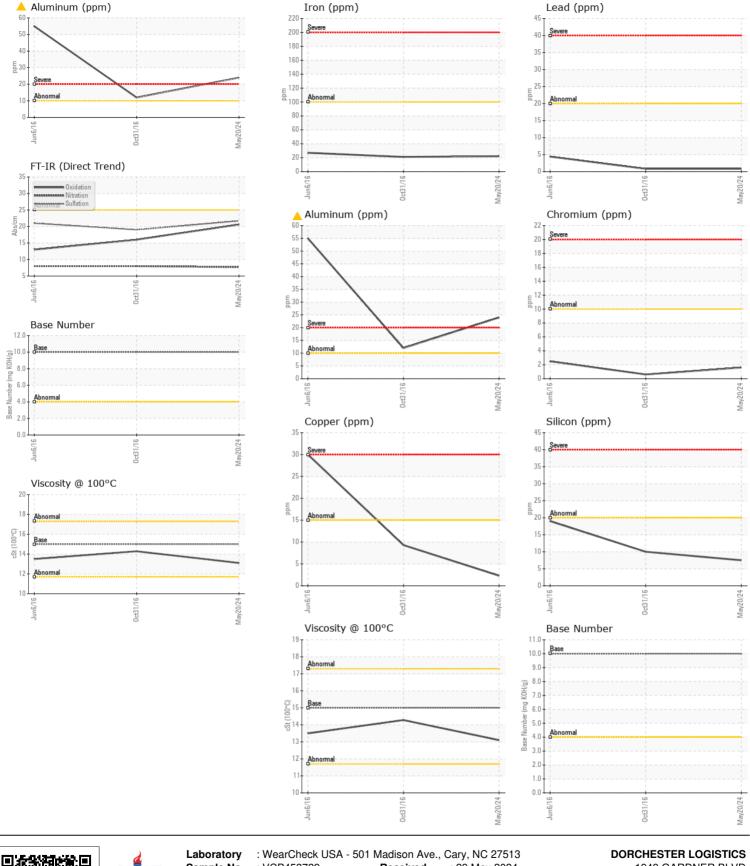
CONTAMINATION

There is no indication of any contamination in the oil.

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453729	VCP203767	VC413370
Sample Date		Client Info		20 May 2024	31 Oct 2016	06 Jun 2016
Machine Age	hrs	Client Info		5526	1006	513
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	22	21	27
Chromium	ppm	ASTM D5185m	>10	2	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		1	0	<1
Silver	ppm	ASTM D5185m	>2	1	0	1
Aluminum	ppm	ASTM D5185m	>10	4 24	12	<u> </u>
Lead	ppm	ASTM D5185m	>20	<1	<1	4
Copper	ppm	ASTM D5185m	>15	2	9	30
Tin	ppm	ASTM D5185m	>10	2	3	4
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0'''				•	4.0	40
Silicon	ppm	ASTM D5185m	>20	8	10	19
Potassium	ppm	ASTM D5185m	>20	2	<1	2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	<u> </u>	WC Method	0	NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.7	8.	8.
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	19.	21.
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	5	6
Boron	ppm	ASTM D5185m	2.5	48	17	24
Barium	ppm	ASTM D5185m	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0.7	41	47	38
Manganese	ppm	ASTM D5185m	0.0	<1	<1	2
Magnesium	ppm	ASTM D5185m	256	499	780	771
Calcium	ppm	ASTM D5185m	2057	1639	1258	1144
Phosphorus	ppm	ASTM D5185m	935	968	817	845
Zinc	ppm	ASTM D5185m	1223	1099	994	953
Sulfur	ppm	ASTM D5185m	4079	3481	3186	4134
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	16.	13.
Base Number (BN)	mg KOH/g	ASTM D2896	10	10.1		
Visc @ 100°C	cSt	ASTM D2000	15.0	13.1	14.28	13.5
	001					



Sample No. : VCP453729 Received 1949 GARDNER BLVD : 29 May 2024 Lab Number : 06193685 Tested HOLLY HILL, SC : 30 May 2024 Unique Number : 11050437 Diagnosed : 30 May 2024 - Sean Felton US 29059 Test Package : MOB 1 (Additional Tests: TBN) Contact: SERVICE MANAGER Certificate L2367 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. T: (803)496-5605 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: SERVICE MANAGER - DORHOL Page 2 of 2