

CONSTRUCTION EQUIPMENT VOLVO L 1 10H 632644 - DIESEL ENGINE



Sample No: VCP449548

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

758

1145

1027

2

7

Report Id: COVTAM [WUSCAR] 06194959 (Generated: 05/31/2024 13:38:05) Rev: 1

Job No:

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

VOLVO SAMPLE II	NFORMATION				
Sample Number	NI OMPIATION	VCP449548	VCP441891	VCP431798	
Sample Date		29 Apr 2024	15 Jan 2024	04 Dec 2023	
Machine Hours		3827	2464	1860	
Oil Hours		0	500	0	
Oil Changed		Changed	Changed	N/A	
Sample Status		ABNORMAL	NORMAL	ABNORMAL	
OIL CONDI	TION				
Visc @ 100°C	cSt	13.7	13.3	13.1	
Base Number (BN)	mg KOH/g	■9.2	9.4	■9.5	
Oxidation (PA)	%	72	76	84	
CONTAMIN	NATION				
Water	%	NEG	NEG	NEG	
Soot %	%	■0.3	0.2	□ 0.4	
Nitration (PA)	%	66	58	73	
Sulfation (PA)	%	57	58	61	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	A 22	□13	□ 18	
Sodium	ppm	■<1	1	0	
Potassium	ppm	2	□0	■3	
WEAR ME	ZIAT				
Iron		19	9	2 0	
Copper	ppm	1 9	3	10	
Lead	ppm	1		2	
Tin	ppm	2	<1	2	
Aluminum		12	7	<u>2</u> 21	
Chromium	ppm	1 2	<1	1	
	ppm	□ 52	_	■ 39	
Molybdenum Nickel	ppm	■ 52 ■ <1	39	■ 39 ■ <1	
Titanium	ppm	<1	<1	<1	
	ppm			_	
Silver	ppm	0	0	<1 <1 = 1	
Manganese	ppm	1 < 1	0	<1	
Vanadium	ppm	0	<1	0	
ADDITIVE:	<u> </u>				
Calcium	ppm	1238	1624	1625	

562

1135

911

0

33

491

1120

■937

4

27



COVANTA

350 FLAKENBURG ROAD TAMPA, FL US 33619 Contact: SERVICE MANAGER

contact. Service IVII (IVI (GEI)

T: (813)684-5688 F:

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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.

Depot:COVTAMUnique No:11057082Signed:Don BaldridgeReport Date:31 May 2024



CONSTRUCTION EQUIPMENT





