

CONSTRUCTION EQUIPMENT SPM606017 VOLVO L120H 632860 - DIESEL ENGINE



Sample No: VCP432769

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

Job No: SPM606017

VOLVO					
	NFORMATION				
Sample Number		VCP432769	VCP370518	VCP397642	VCP376997
Sample Date		06 Sep 2023	06 Jun 2023	08 Feb 2023	16 Jul 2022
Machine Hours		5768	4936	4349	3246
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL	ABNORMAL
VOLVO	TION				
OIL CONDI					
Visc @ 100°C	cSt	14.4	14.1	13.9	■13.8
Base Number (BN)		7.5	■9.1	■9.8	■10.4
Oxidation (PA)	%	91	79	80	89
CONTAMII	NATION				
Soot %	%	1.2	□0.8	□0.5	□0.3
	%	92	79	67	76
Nitration (PA)	%	92 67	63	62	66
Sulfation (PA)		NEG		NEG	
Glycol	%	-	NEG 41.0		NEG 11.0
Fuel		<1.0 <u>^</u> 44	<1.0	<1.0	<1.0
Silicon	ppm		<u>^</u> 21	2 0	
Sodium	ppm	4	2	2	2
Potassium	ppm	■ 0	0	□ 0	□0
VOLVO					
WEAR ME	TALS				
Iron	ppm	46	2 4	2 2	1 6
Copper	ppm	■3	1	2	2
Lead	ppm	1 5	1 0	1	1
Tin	ppm	1	- <1	1	1
Aluminum	ppm	<u> </u>	9	■8	■8
Chromium	ppm	1	<1	= <1	= <1
Molybdenum	ppm	49	□50	4 7	1 46
Nickel	ppm	■0	0	= <1	<u></u> <1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	■0	0	0	<1
Manganese	ppm	■<1	<1	□ <1	< 1
Vanadium	ppm	0	0	0	0
	pp		ū	Ü	Ü
VOLVO					
ADDITIVE	7				
Calcium	ppm	2150	□1657	■ 1791	■1778
Magnesium	ppm	537	455	□ 545	531
Zinc	ppm	1348	□1017	1271	□1178
Dhosphorus	10.10.100	=1110	m 007	□ 07E	m 020

0

0

37

0

128



ORANGE COUNTY SOLID WASTE

5901 YOUNG PINE ROAD ORLANDO, FL US 32829 Contact: MICHAEL BEEBE michael.beebe@ocfl.net T: (407)836-6652 F: (407)836-6650

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:ORAORLUnique No:10648381Signed:Sean FeltonReport Date:19 Sep 2023

0

20

ppm

ppm

ppm

Phosphorus

Barium

Boron



CONSTRUCTION EQUIPMENT





