

CONSTRUCTION EQUIPMENT A10549 VOLVO L110H 632556 - DIESEL ENGINE



Sample No: VCP410764
Oil Type: MOBIL 15W40

Job No: A10549

SAMPLE INFORMATION			
Sample Number	VCP410764	 	
Sample Date	22 Jun 2023	 	
Machine Hours	515	 	
Oil Hours	515	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

OIL CONDIT	FION			
Visc @ 100°C	cSt	12.5	 	
Base Number (BN)	mg KOH/g	■9.9	 	
Oxidation (PA)	%	73	 	

CONTAN	MINATION			
Soot %	%	■ 0.3	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	12	 	
Sodium	ppm	5	 	
Potassium	ppm	4	 	

WEAR	METALS			
Iron	ppm	■30	 	
Copper	ppm	■11	 	
Lead	ppm	■<1	 	
Tin	ppm	■ 2	 	
Aluminum	ppm	4 64	 	
Chromium	ppm	■ 5	 	
Molybdenum	ppm	46	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITI	IVES			
Calcium	ppm	1574	 	
Magnesium	ppm	692	 	
Zinc	ppm	1217	 	
Phosphorus	ppm	1018	 	
Barium	ppm	■ 0	 	
Boron	ppm	■50	 	



HMR ASSOCIATES

PO BOX 485 TOUGHKENAMON, PA US 19374

Contact: SERVICE MANAGER

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. 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:HMRTOUUnique No:10536806Signed:Don BaldridgeReport Date:03 Jul 2023



CONSTRUCTION EQUIPMENT





GRAPHS

