

CONSTRUCTION EQUIPMENT 19245 VOLVO L 120H 633323 - DIESEL ENGINE



Sample No: VCP412186

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

Job No: 19245

VOLVO				
SAMPLE	INFORMATION			
Sample Number	-	VCP412186	 	
Sample Date		23 Jul 2023	 	
Machine Hours		1560	 	
Oil Hours		1560	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CON	DITION			
_		=12.0		
Visc @ 100°C	cSt	■ 12.9 ■ 7.5	 	
Base Number (BN Oxidation (PA)	mg KOH/g %	82	 	
Oxidation (PA)	70	02	 	
VOLVO				
CONTAM	IINATION			
Soot %	%	■0.6	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<u> </u>	 	
Sodium	ppm	■4	 	
Potassium	ppm	2	 	
VOLVO				
WEAR M	IETALS			
Iron	ppm	□ 62	 	
Copper	ppm	<u>△</u> 38	 	
Lead	ppm	6	 	
Tin	ppm	6	 	
Aluminum	ppm	110	 	
Chromium	ppm	6	 	
Molybdenum	ppm	■38	 	
Nickel	ppm	<1	 	
Titanium	ppm	16	 	
Silver	ppm	1	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	
ADDITIV	IFS			
_		1704		
Calcium	ppm	■ 1704	 	
Magnesium Zinc	ppm	■ 661 ■ 1256	 	
	ppm	■ 1256 ■ 1013		
Phosphorus	ppm	I 1013	 	



HILCO TRANSPORT

7700 KENMONT RD GREENSBORO, NC US 27409 Contact: MIKE LAUGHEAD mlaughead@hilcotransport.com T: (336)273-9441 F: (336)273-9701

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The aluminum level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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:HILGREVCUnique No:10586919Signed:Don BaldridgeReport Date:05 Aug 2023

ppm

ppm

10

35

Barium

Boron



CONSTRUCTION EQUIPMENT





