

CONSTRUCTION EQUIPMENT 353464 VOLVO L110H 632536 - DIESEL ENGINE



Sample No: VCP434697

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

Job No: 353464

SAMPLE INFORMATION						
Sample Number	VCP434697	VCP427044				
Sample Date	02 Sep 2023	22 Jun 2023				
Machine Hours	1051	539				
Oil Hours	0	0				
Oil Changed	Changed	Changed				
Sample Status	ABNORMAL	ABNORMAL				

OIL CONDI	TION			
Visc @ 100°C	cSt	12.7	12.6	
Base Number (BN)	mg KOH/g	9.7	9.7	
Oxidation (PA)	%	79	75	

CONTAN	MINATION			
Soot %	%	■ 0.2	□0.2	
Nitration (PA)	%	56	59	
Sulfation (PA)	%	60	62	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	△ 35	2 7	
Sodium	ppm	■3	3	
Potassium	ppm	■ 0	3	

WEAR	METALS			
Iron	ppm	12	2 1	
Copper	ppm	■ 4	1 0	
Lead	ppm	■<1	1	
Tin	ppm	■ 1	3	
Aluminum	ppm	<u> </u>	△ 59	
Chromium	ppm	■ <1	3	
Molybdenum	ppm	46	■51	
Nickel	ppm	■0	- <1	
Titanium	ppm	<1	<1	
Silver	ppm	■ 0	- <1	
Manganese	ppm	■<1	2	
Vanadium	ppm	<1	0	

ADDIT	Zavi			
Calcium	ppm	1816	■ 1485	
Magnesium	ppm	544	638	
Zinc	ppm	1136	1117	
Phosphorus	ppm	961	■916	
Barium	ppm	0	25	
Boron	ppm	40	7 5	



COVANTA LAKES

3830 ROGERS INDUSTRIAL PARK ROAD OKAHUMPKA, FL US 32762

Contact: SERVICE MANAGER

T: 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:COVOKAUnique No:10634955Signed:Don BaldridgeReport Date:09 Sep 2023



CONSTRUCTION EQUIPMENT





