

CONSTRUCTION EQUIPMENT SW-29338-2 VOLVO L 120H 633492 - DIESEL ENGINE



Sample No: VCP435864

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

Job No: SW-29338-2

VOLVO					
SAMPLE II	NFORMATION				
Sample Number	_	VCP435864			
Sample Date		01 Feb 2024			
Machine Hours		1045			
Oil Hours		1045			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	12.5			
Base Number (BN)		■ 8.9			
Oxidation (PA)	%	75			
VOLVO					
CONTAMIN	NATION				
Water	%	NEG			
Soot %	%	■ 0.3			
Nitration (PA)	%	66			
Sulfation (PA)	%	59			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	12			
Sodium	ppm	□<1			
Potassium	ppm	■4			
	la la				
WEAR METALS					
WEAR ME	IAL2				
Iron	ppm	■36			
Copper	ppm	14			
Lead	ppm	■3			
Tin	ppm	4			
Aluminum	ppm	<u>^</u> 26			
Chromium	ppm	2			
Molybdenum	ppm	■34			
Nickel	ppm				
Titanium	ppm	<1			
Silver	ppm	■ <1			
Manganese	ppm	2			
Vanadium	ppm	0			
VOLVO					
ADDITIVES					
Calcium	ppm	1540			
Magnesium	ppm	■ 521			
Zinc	ppm	1135			
Phosphorus	ppm	944			



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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 component wear rates are normal. 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 suitable for further service.

Depot:VOLVO8770Unique No:10870772Signed:Don BaldridgeReport Date:09 Feb 2024

11

56

ppm

ppm

Barium

Boron



CONSTRUCTION EQUIPMENT





