

CONSTRUCTION EQUIPMENT VOLVO L 180HHL 1166 - DIESEL ENGINE



Sample No: VCP403591

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

Job No:

VOLVO					
SAMPLE IN	NFORMATION				
Sample Number	-	VCP403591	VCP406251		
Sample Date		04 Dec 2023	03 Apr 2023		
Machine Hours		2567	637		
Oil Hours		0	637		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	ABNORMAL		
OIL CONDI.	TION				
Visc @ 100°C	cSt	13.1	△ 11.3		
Base Number (BN)		8.1	5.3		
Oxidation (PA)	%	79	61		
Chiadren (171)	,0				
VOLVO					
CONTAMIN	IATIUN				
Water	%	NEG	NEG		
Soot %	%	■ 0.2	0.1		
Nitration (PA)	%	74	75		
Sulfation (PA)	%	60	50		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	■ 0.5		
Silicon	ppm	5	■25		
Sodium	ppm	0	2		
Potassium	ppm	2	1		
VOLVO					
WEAR ME	TALS				
Iron	ppm	9	1 1		
Copper	ppm	<u> </u>	4 08		
Lead	ppm	■ <1	□0		
Tin	ppm	1	2		
Aluminum	ppm	1	2		
Chromium	ppm	■<1	- <1		
Molybdenum	ppm	■ 53	7 9		
Nickel	ppm	■<1	- <1		
Titanium	ppm	<1	0		
Silver	ppm	0	0		
Manganese	ppm	■<1	3		
Vanadium	ppm	0	0		
ADDITIVES	7				
Calcium	ppm	1418	2003		
Magnesium	ppm	704	55		
Zinc	ppm	■ 1166	1142		
Phosphorus	ppm	934	986		
Barium	ppm	11	0		
Boron	ppm	19	55		
DOTOTT	Phili				



ALTA EQUIPMENT COMPANY

1061 STEPKE COURT TRAVERSE CITY, MI US 49685 Contact: KEVIN DOHM kevin.dohm@altaequipment.com T: (231)943-3700 F: (231)943-8110

Diagnosis

Resample at the next service interval to monitor. All 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:
 VOLVO8501

 Unique No:
 10782834

 Signed:
 Wes Davis

 Report Date:
 14 Dec 2023



CONSTRUCTION EQUIPMENT





