

CONSTRUCTION EQUIPMENT

1412 RIO BRAVO ROCKL VOLVO L220H 3318 - DIESEL ENGINE

Sample No: VCP431002

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

Job No: 1412 RIO BRAVO ROCKL

VOLVO	NFORMATION				
	AFURMATION	į.			_
Sample Number		VCP431002	VCP308187		
Sample Date		07 Dec 2023	10 Oct 2022		
Machine Hours		1525	1167		
Oil Hours		0	0		
Oil Changed		Changed	Not Changd		
Sample Status		NORMAL	NORMAL		
OIT CONDI.	TION				
Visc @ 100°C	cSt	12.7	12.9		
Base Number (BN)	mg KOH/g	■ 9.8	■10.7		
Oxidation (PA)	%	85	91		
VOLVO	IATION				
CONTAMIN	NATIUN				
Water	%	NEG	NEG		
Soot %	%	■ 0.1	□ 0.1		
Nitration (PA)	%	60	68		
Sulfation (PA)	%	62	67		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	5	■8		
Sodium	ppm	2	3		
Potassium	ppm	1	 <1		
WEAR ME	TALC				
WEAR ME	IMT7				
Iron	ppm	■3	7		
Copper	ppm	■ 2	7		
Lead	ppm	0	1		
Tin	ppm	■1	2		
Aluminum	ppm	■ 2	2		
Chromium	ppm	■ 0	= <1		
Molybdenum	ppm	■39	4 0		
Nickel	ppm	2			
Titanium	ppm	0	0		
Silver	ppm	■ 0	0		
Manganese	ppm	■ <1	- <1		
Vanadium	ppm	0	0		
ADDITIVES					
_					
Calcium	ppm	1651	■1843		
Magnesium	ppm	495	498		
Zinc	ppm	1160	1132		

949

0

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VCES- VOLVO CONSTRUCTION EQUIPMENT 8594 FRUITRIDGE ROAD

SACRAMENTO, CA US 95826

Contact: RAY KRANZUSCH ray.kranzusch@vcesvolvo.com

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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:VOLVO4485Unique No:10794203Signed:Wes DavisReport Date:20 Dec 2023

ppm

ppm

ppm

992

0

49

Phosphorus

Barium

Boron



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GRAPHS

