

CONSTRUCTION EQUIPMENT 687082 DIPRO MCC R230 91592 - DIESEL ENGINE



Sample No: VCP438822

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

Job No: 687082 DIPRO

VOLVO	NEODWATION			
	NFORMATION	-		
Sample Number		VCP438822	VCP421763	
Sample Date		26 Mar 2024	30 Mar 2023	
Machine Hours		3998	0	
Oil Hours		500	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	13.5	12.7	
		■ 6.0		
Base Number (BN)	%	118	■ 6.6 114	
Oxidation (PA)	70	110	114	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	■2.1	■1.6	
Nitration (PA)	%	146	133	
Sulfation (PA)	%	89	82	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	11	1 9	
Sodium	ppm	■8	1 4	
Potassium	ppm	■<1	4	
WEAR ME	7147			
_		-	1.50	
Iron	ppm	<u>^</u> 213	468	
Copper	ppm	12	55	
Lead	ppm	■ <1	<1	
Tin	ppm	0	<1	
Aluminum	ppm	<u>^</u> 28	95	
Chromium	ppm	4	9	
Molybdenum	ppm	■81	139	
Nickel	ppm	2	2	
Titanium	ppm	0	<1	
Silver	ppm	□ 0 □ 2	0	
Manganese	ppm		6	
Vanadium	ppm	<1	<1	
VOLVO				
ADDITIVE:				
Calcium	ppm	2173	2532	
Magnesium	ppm	467	942	
Zinc	ppm	1269	1621	
Phosphorus	ppm	■ 1145	1266	

0



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Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum and iron ppm levels are abnormal. 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 acceptable for the time in service.

Depot:VOLVO2990Unique No:10968721Signed:Angela BorellaReport Date:12 Apr 2024

ppm

ppm

0

16

Barium

Boron



CONSTRUCTION EQUIPMENT





