

CONSTRUCTION EQUIPMENT 687086 DIPRO MMC \$190 91902 - DIESEL ENGINE



Sample No: VCP447056

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

Job No: 687086 DIPRO

Sample Number		VCP447056	VCP399412		
Sample Date		28 Mar 2024	15 Mar 2023		
Machine Hours		3806	2594		
Oil Hours		500	0		
Oil Changed		Changed	Changed		
Sample Status		ABNORMAL	NORMAL		
VOLVO	FION				
OIL CONDIT					
/isc @ 100°C	cSt	15.5	13.0		
Base Number (BN)	mg KOH/g	<u> </u>	■ 5.5		
Oxidation (PA)	%	177	108		
CONTAMIN	IATION				
Water	%	NEG	NEG	<u>.</u>	
Soot %	%	NEG ■ 0.4	0.2		
Nitration (PA)	%	173	113		
Sulfation (PA)	%	96	76		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon		■8	7		
Sodium	ppm	6	0		
Potassium	ppm	■ <1	1 2		
Otassium	ppm				
VOLVO					
WEAR MET	ALS				
ron	ppm	104	■ 36		
Copper	ppm	12	5		
-ead	ppm	1	< 1		
Гin	ppm	■<1	3		
Aluminum	ppm	<u> </u>	5		
Chromium	ppm	2	2		
Molybdenum	ppm	66	5 7		
Nickel	ppm	■<1	0		
Titanium	ppm	0	0		
Silver	ppm	■0	0		
		_1	1		
Manganese	ppm	1			

1153

881

1214

995

0

3



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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 level is low.

Depot:VOLVO2990Unique No:10968718Signed:Angela BorellaReport Date:12 Apr 2024

1750

671

1243

1107

0

17

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



CONSTRUCTION EQUIPMENT





