CONSTRUCTION EQUIPMENT VOLVO L180H 5071 - DIESEL ENGINE RS0035339



Sample No: VCP415176 **Oil Type:** RSO035339

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE INFORMATION VCP415176 Sample Number VCP421755 Sample Date 13 Sep 2023 24 Apr 2023 Machine Hours 3704 3071 Oil Hours 0 0 Oil Changed Changed Changed NORMAL ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.7 12.4 8.2 Base Number (BN) mg KOH/g 9.2 Oxidation (PA) 78 83 % CONTAMINATION

Soot %	%	0.2	0.2	
Nitration (PA)	%	59	73	
Sulfation (PA)	%	60	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	1.8	
Silicon	ppm	1 0	10	
Sodium	ppm	3	2	
Potassium	ppm	2	0	

WEAR N	METALS			
Iron	ppm	1 1	19	
Copper	ppm	5	12	
Lead	ppm	1	0	
Tin	ppm		0	
Aluminum	ppm	6	2	
Chromium	ppm		0	
Molybdenum	ppm	59	44	
Nickel	ppm	4	<u> </u>	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	1	
Vanadium	ppm	<1	0	

ADDITIVES							
Calcium	ppm	2237	1661				
Magnesium	ppm	674	549				
Zinc	ppm	1331	1192				
Phosphorus	ppm	1109	954				
Barium	ppm	0	0				
Boron	ppm	37	29				



COWIN EQUIPMENT COMPANY

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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.

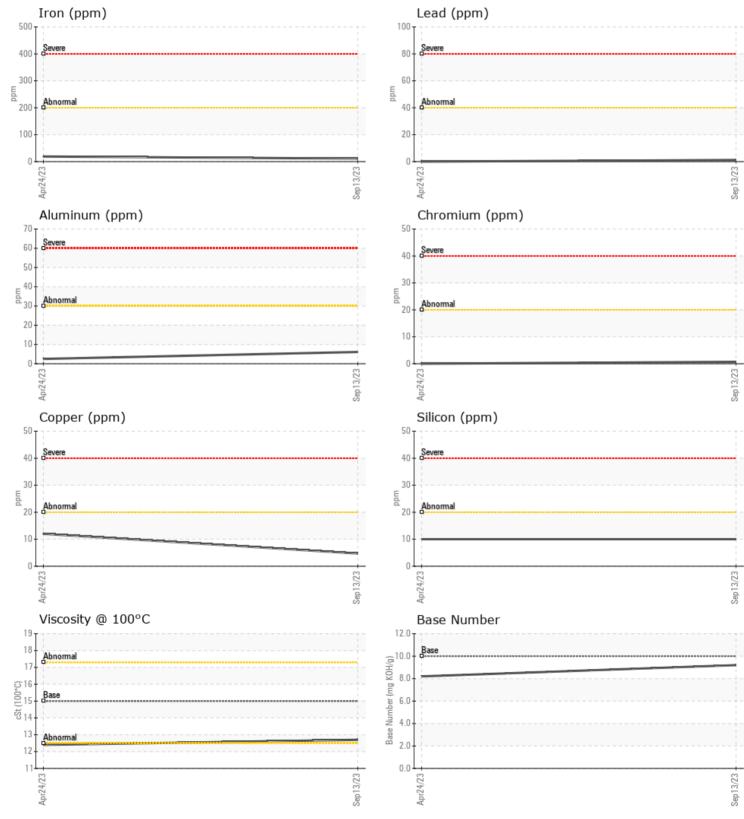
Depot: VOLVO8247 Unique No: 10656237 Signed: Wes Davis Report Date: 20 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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