

CONSTRUCTION EQUIPMENT 607001 VOLVO EC380 315097 - DIESEL ENGINE



Sample No: VCP431337

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

Job No: 607001

Nitration (PA)	Sample Number		VCP431337	VCP402967	VCP366139	
Dil Hours Dil Changed Changed	Sample Date		27 Sep 2023	13 May 2023	19 Sep 2022	
Changed Chan	Machine Hours		1815	1256	645	
Sample Status	Oil Hours		500	0	645	
OIL CONDITION Visc @ 100°C	Oil Changed		Changed	Changed	Changed	
OIL CONDITION Visc @ 100°C CSt ▲ 11.9 ▲ 11.6 ▲ 10.2 Base Number (BN) mg KOH/g ■ 7.9 ■ 6.7 ■ 6.4 Oxidation (PA) % 62 63 73 Soot % % ■ 0.1 ■ 0.1 □ 0.1 <td>Sample Status</td> <td></td> <td>ATTENTION</td> <td>ATTENTION</td> <td>ABNORMAL</td> <td></td>	Sample Status		ATTENTION	ATTENTION	ABNORMAL	
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Visc @ 100°C	AOTAO UII LUND	ITION				
Base Number (BN) mg KOH/g 7.9 6.7 6.4			*	-	*	
Contamination Contaminatio Contamination Contamination Contamination Contamination						
CONTAMINATION Soot %						
CONTAMINATION	Oxidation (PA)	%	62	63	73	
CONTAMINATION	VOLVO					
Soot % % 0.1		INATION				
Nitration (PA)	_		=01	m 0 1	m 0 1	
Sulfation (PA) %						
NEG NEG						
Solition Solition						
Silicon	-					
Sodium						
Potassium ppm 0 2 3 WEAR METALS Iron ppm 6 7 12 Copper ppm 21 124 249 Lead ppm <1			_			
WEAR METALS Iron ppm 6 7 12 Copper ppm 21 124 249 Lead ppm <1			_		_	
WEAR METALS Iron ppm 6 7 12 Copper ppm 21 124 249 Lead ppm <1	Totassium	ppiii				
Iron ppm 6 7 12 Copper ppm 21 124 249 Lead ppm <1	VOLVO					
Copper ppm 21 124 249 Lead ppm <1	WEAR MI	ETALS				
Copper ppm 21 124 249 Lead ppm <1	Iron	ppm	6	7	1 2	
Lead ppm <1	Copper		21	1 24	<u>^</u> 249	
Tin ppm I <td></td> <td></td> <td>■<1</td> <td>-<1</td> <td>4</td> <td></td>			■<1	- <1	4	
Aluminum ppm 0 <1	Tin			1	■ 3	
Chromium ppm <1 <1 <1 < Molybdenum ppm 62 59 69 Nickel ppm 0 <1	Aluminum		0	- <1		
Molybdenum ppm 62 59 69 Nickel ppm 0 <1 0 Titanium ppm 0 0 <1 Silver ppm 0 0 0 Manganese ppm <1 1 3	Chromium		■<1	- <1	- <1	
Nickel ppm 0 <1 0 Titanium ppm 0 0 <1 Silver ppm 0 0 0 Manganese ppm <1 1 3				■59	6 9	
Titanium ppm 0 0 <1 Silver ppm 0 0 0 Manganese ppm <1 1 3	-		■ 0	- <1	□ 0	
Silver ppm □ 0 □ 0 Manganese ppm □ < 1 □ 1 □ 3						
Manganese ppm	Silver		0	0	0	
	Manganese		_	1	■3	
			<1	0	0	

1157

793

1167

968

0

5

2136

150

1180

937

0

26



BLAZE CONSTRUCTION 5640 ST JEAN ST DETROIT, MI

US 48213 Contact: DAVE WARD dward@blazecontracting.net T: (248)632-2317

T. (240)032 E:

F:

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:BLADETUnique No:10674117Signed:Don BaldridgeReport Date:05 Oct 2023

1106

1010

1280

1016

0

0

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

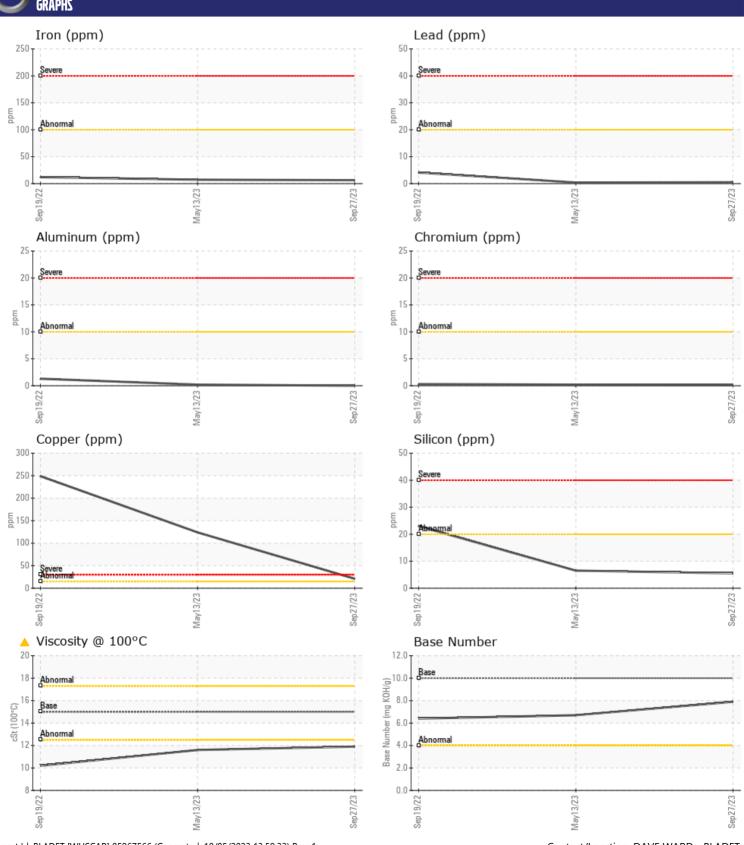
Phosphorus



CONSTRUCTION EQUIPMENT







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Contact/Location: DAVE WARD - BLADET