

CONSTRUCTION EQUIPMENT

18298 BIRDSONG VOLVO A40G 752063 - DIESEL ENGINE



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

Job No: 18298 BIRDSONG

Base Number (BN) mg KOH/g 9.1		NFORMATION			
Machine Hours	.			 	
Dil Hours	•			 	
Changed Chan					
Contamination Contaminatio				 	
VOLVO OIL CONDITION Visc @ 100°C CSt 12.1 <td></td> <td></td> <td></td> <td> </td> <td></td>				 	
OIL CONDITION Visc @ 100°C CSt 12.1 <t< td=""><td>Sample Status</td><td></td><td>NORMAL</td><td> </td><td></td></t<>	Sample Status		NORMAL	 	
OIL CONDITION Visc @ 100°C CSt 12.1 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Base Number (BN) mg KOH/g	OIL CONDI	TION			
COXIDATION Water % NEG Soot % %	Visc @ 100°C	cSt	12.1	 	
CONTAMINATION Water % NEG Soot % % 0.1 Nitration (PA) % 58 Sulfation (PA) % 61 Silicon ppm 8 Sodium ppm 3 Potassium ppm 02 Copper ppm 50 Lead ppm 1 1 Lead ppm 1 1 Nitration (PA) % 61 Nickel ppm 1 2 WEAR METALS Tron ppm 1 9 Nickel ppm 1 44 Nickel ppm 1 44 Nickel ppm 1 2 Nickel ppm 1 2 Silver ppm 0 Silver ppm 0 Manganese ppm 1 1 Manganese ppm 1 1 Tinn ppm 1 1	Base Number (BN)	mg KOH/g	■9.1	 	
CONTAMINATION Water			76	 	
CONTAMINATION					
NEG	CONTAMI	NATION			
Soot % % 0.1	_				
Nitration (PA)				 	
Sulfation (PA)				 	
NEG	` ,			 	
Fuel				 	
Solicon ppm	-			 	
Sodium		%		 	
WEAR METALS Iron ppm 9 Copper ppm 50 Lead ppm 1 Aluminum ppm 3 Aluminum ppm <1			_	 	
WEAR METALS Iron ppm 9		ppm	_	 	
WEAR METALS Iron ppm 9	Potassium	ppm	2	 	
WEAR METALS Iron ppm 9	VOLVO				
Copper ppm 50 </td <td>WEAR ME</td> <td>TALS</td> <td></td> <td></td> <td></td>	WEAR ME	TALS			
Lead ppm Image: square sq	ron	ppm	■9	 	
Tin ppm 1	Copper	ppm	■ 50	 	
Aluminum ppm 3	Lead	ppm	■ <1	 	
Chromium ppm I Molybdenum ppm 44 Nickel ppm 2 Titanium ppm <1	Γin	ppm	■1	 	
Molybdenum ppm 44 Nickel ppm 2 Titanium ppm <1 Silver ppm 0 Manganese ppm 1	Aluminum	ppm	■3	 	
Nickel ppm 2 Titanium ppm <1	Chromium	ppm	■ <1	 	
Fitanium ppm <1 Silver ppm 0 Manganese ppm 1	Molybdenum	ppm	44	 	
Silver ppm 0 Manganese ppm 1	Nickel	ppm	2	 	
Manganese ppm 1	Titanium	ppm	<1	 	
	Silver	ppm	■ 0	 	
Vanadium ppm <1	Manganese	ppm	1	 	
	Vanadium	ppm	<1	 	



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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Fuel content negligible. 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:
 VOLVO8771

 Unique No:
 10898170

 Signed:
 Wes Davis

 Report Date:
 28 Feb 2024

ppm

ppm

ppm

ppm

ppm

ppm

1486

■381

■ 976 **■** 782

34

41

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



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GRAPHS

