

CONSTRUCTION EQUIPMENT VOLVO A40G 352499 - DIESEL ENGINE



Sample No: VCP441817

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

Job No:

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number		VCP441817	VCP323548	
Sample Date		20 Feb 2024	30 Jun 2021	
Machine Hours		5166	0	
Oil Hours		0	0	
Oil Changed		Changed	N/A	
Sample Status		ATTENTION	ABNORMAL	
OIL CONDI.	TION			
	-	0.42.4	A 44.4	
Visc @ 100°C	cSt	12.1	1 1.1	
Base Number (BN)		■ 7.7	100	
Oxidation (PA)	%	73	100	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	0.7	■0.4	
Nitration (PA)	%	103	96	
Sulfation (PA)	%	65	71	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	■0.8	
Silicon	ppm	■ 8	△ 27	
Sodium	ppm	3	3	
Potassium	ppm	■ 3	4	
WEAR ME	TALC			
_				
Iron	ppm	■27	3 5	
Copper	ppm	18	<u>▲</u> 183	
Lead	ppm	2	2	
Tin	ppm	2	6	
Aluminum	ppm	7	0	
Chromium	ppm	1	= <1	
Molybdenum	ppm	61	4 1	
Nickel	ppm	3	4	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	2	4	
Vanadium	ppm	<1	0	
ADDITIVE:				
Calcium	ppm	■ 964	□1509	
Magnesium	ppm	■850	419	
Zinc	ppm	■1111	■ 978	
Phosphorus	ppm	820	811	
Barium	ppm	1	<1 < 1	
Boron	ppm	1	29	
	1-1			



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T:

F: (239)481-3302

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:VOLVO0090Unique No:10899674Signed:Jonathan HesterReport Date:29 Feb 2024



CONSTRUCTION EQUIPMENT





GRAPHS

