

CONSTRUCTION EQUIPMENT

SWA 174565-10 TLGC VOLVO A40G 353266 - DIESEL ENGINE

Sample No: VCP401696

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SWA174565-10 TLGC

VOLVO					
SAMPLE INFORMATION					
Sample Number	-	VCP401696			
Sample Date		02 Feb 2023			
Machine Hours		487			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
VOLVO					
OIL CONDITION					
Visc @ 100°C	cSt	11.0			
Base Number (BN)	mg KOH/g	6.7			
Oxidation (PA)	%	61			
CONTAMINATION					
_					
Water	%	NEG			
Soot %	%	0.2			
Nitration (PA)	%	69			
Sulfation (PA)	%	55			
Glycol	%	NEG			
Fuel	%	■ 0.6			
Silicon	ppm	■28			
Sodium	ppm	4			
Potassium	ppm	■ 3			
WEAR METALS					
_					
Iron	ppm	15			
Copper	ppm	<u>^</u> 221			
Lead	ppm	- <1			
Tin	ppm	■3			
Aluminum	ppm	2			
Chromium	ppm	■<1			
Molybdenum	ppm	■ 70			
Nickel	ppm	■ 1			
Titanium	ppm	0			
Silver	ppm	■0			
Manganese	ppm	■3			
Vanadium	ppm	0			
ADDITIVES					
Calcium		1909			
Magnesium	ppm	280			
_	ppm	1244			
Zinc	ppm				
Phosphorus	ppm	1035			
Barium	ppm	■0			



ALTA EQUIPMENT COMPANY

5210 REESE ROAD DAVIE, FL US 33314 Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. 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: VOLVO0095
Unique No: 10331449
Signed: Jonathan Hester
Report Date: 13 Feb 2023

ppm

Boron



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