

CONSTRUCTION EQUIPMENT

S50402010 TYTAN MET SENNEBOGEN 840 840.0.2002 - DIESEL

Sample No: VCP434473

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: S50402010 TYTAN MET

SAMPLE INFORMATION Sample Number VCP434473 Sample Date 25 Oct 2023 Machine Hours 21961 Oil Hours 150 Oil Changed Not Changd	VOLVO				
Sample Date 25 Oct 2023	SAMPLE II	NFORMATION			
Machine Hours 21961	Sample Number	-	VCP434473	 	
Oil Changed	Sample Date		25 Oct 2023	 	
Oil Changed Sample Status SEVERE	Machine Hours		21961	 	
Sample Status	Oil Hours		150	 	
Sample Status	Oil Changed		Not Changd	 	
Visc @ 100°C	Sample Status		SEVERE	 	
Visc @ 100°C					
Base Number (BN) mg KOH/g 5.9	OIL CONDI	TION			
Base Number (BN) mg KOH/g	Visc @ 100°C	cSt	▲ 7.2	 	
Oxidation (PA)				 	
CONTAMINATION Soot %				 	
CONTAMINATION Soot %					
Soot % % 0.2 Sulfration (PA) % 68	VOLVO	VATION			
Nitration (PA)	LUNIAMII	NATIUN			
Sulfation (PA) % 50 Glycol % NEG	Soot %		■ 0.2	 	
Silicon Silicon Silicon Silicon Sodium Sodium	Nitration (PA)	%	68	 	
Fuel % 30.0 Silicon ppm 10	• •		50	 	
Silicon	Glycol		NEG	 	
Sodium ppm 5	Fuel	%	* * * * * * * * * * * * * * * * * * * *	 	
Potassium ppm 3 WEAR METALS Iron ppm 8 Copper ppm 0 Lead ppm 0 Tin ppm 3 Aluminum ppm 3 Chromium ppm 30 Molybdenum ppm 30 Nickel ppm 1 Titanium ppm 1 Silver ppm 0 Manganese ppm Vanadium ppm		ppm	10	 	
WEAR METALS Iron ppm 8 Copper ppm 0 Lead ppm 0 Tin ppm 3 Aluminum ppm 3 Chromium ppm 30 Molybdenum ppm 30 Nickel ppm -1 Titanium ppm -1 Silver ppm 0 Vanadium ppm <1	Sodium	ppm	■ 5	 	
WEAR METALS Iron ppm 8 Copper ppm <1	Potassium	ppm	■ 3	 	
WEAR METALS Iron ppm 8 Copper ppm <1					
Copper ppm <	WEAR ME	TALS			
Copper ppm <	Iron	ppm	8	 	
Lead ppm 0 Tin ppm <1	Copper			 	
Tin			■0	 	
Aluminum ppm 3 Chromium ppm -<-1 Molybdenum ppm 30 Nickel ppm -<-1 Titanium ppm -<-1 Silver ppm 0 Manganese ppm 0 Vanadium ppm <-1	Tin		■<1	 	
Chromium ppm	Aluminum			 	
Molybdenum ppm 30 Nickel ppm <1	Chromium			 	
Nickel ppm <	Molybdenum		■30	 	
Titanium ppm <1			■<1	 	
Manganese ppm ■ 0 Vanadium ppm <1	Titanium			 	
Vanadium ppm <1	Silver			 	
Vanadium ppm <1	Manganese	ppm	■ 0	 	
ADDITIVES			<1	 	
VOLVO ADDITIVES					
	ADDITIVE	·			



VCES- VOLVO CONSTRUCTION EQUIPMENT 22099 KNABE ROAD CORONA, CA

CORONA, CA US 92883

Contact: MIKE BUCK MIKE.BUCK@VCESVOLVO.COM

T:

F: (951)277-4550

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:VOLVO4486Unique No:10713538Signed:Jonathan HesterReport Date:31 Oct 2023

ppm

ppm

ppm

ppm

ppm

ppm

913

481

567

517

■0 **■**118

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



CONSTRUCTION EQUIPMENT





GRAPHS

