

CONSTRUCTION EQUIPMENT RS0033017 HELIX HITACHI ZX85 023795 - DIESEL ENGINE

Sample No: VCP347933

Oil Type: **DIESEL ENGINE OIL SAE 40**

Job No: RSO033017 HELIX

SAMPLE II	NFORMATION			
		VCD2 47022		
Sample Number		VCP347933	 	
Sample Date		10 Feb 2023	 	
Machine Hours		321	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
OIL CONDI	TIUN			
Visc @ 100°C	cSt	13.5	 	
Base Number (BN)	mg KOH/g	7.9	 	
Oxidation (PA)	%	54	 	
VOLVO	IATION			
CONTAMIN	NATIUN			
Soot %	%	0.1	 	
NI:++: (DA)	0/	40		

CONTAMINATION					
Soot %	%	■ 0.1			
Nitration (PA)	%	40			
Sulfation (PA)	%	52			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	11			
Sodium	ppm	2			
Potassium	ppm	18			

WEAR	METALS			
Iron	ppm	■3	 	
Copper	ppm		 	
Lead	ppm	-< 1	 	
Tin	ppm	-<1	 	
Aluminum	ppm	1	 	
Chromium	ppm	-<1	 	
Molybdenum	ppm	■83	 	
Nickel	ppm	-<1	 	
Titanium	ppm	■ 0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	-<1	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	1294			
Magnesium	ppm	■342			
Zinc	ppm	1093			
Phosphorus	ppm	■874			
Barium	ppm	■ 0			
Boron	ppm	437			



COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD MABLETON, GA US 30126 Contact: MIKE ANDREWS mandrews@cowin.com T: (404)690-7210 F:

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: **COWMAB Unique No:** 10337483 Signed: Don Baldridge Report Date: 16 Feb 2023



CONSTRUCTION EQUIPMENT





