

CONSTRUCTION EQUIPMENT

37 HITACHI ZX35U-5N HCMADG6OPOO3O2O13 - HYDRAULIC SYST

Sample No: VCP433916

Oil Type: HITACHI HYDRAULIC SUPER EX 46HN

Job No: SWO64387

VOLVO				
CVMDIL	INFORMATION			
	INFUNMATION			
Sample Number		VCP433916	VCP365989	
Sample Date		06 Oct 2023	25 Jul 2023	
Machine Hours		212	159	
Oil Hours		0	0	
Oil Changed		Not Changd	N/A	
Sample Status		ABNORMAL	ABNORMAL	
VOLVO				
OIL CON	DITION			
Visc @ 40°C	cSt	46.6	45.3	
Acid Number (AN		0.07	0.045	
Acid Halliber (All	, mg kon, g		0.013	
VOLVO	UNIA TION			
LONIAM	IINATION			
Particles >4µm	-	13828		
Particles >6µm		4614		
Particles >14µm		4 305		
ISO 4406:1999 (c)		21/19/15		
Silicon	ppm	■ <1	1	
Sodium	ppm	■0	0	
Potassium	ppm	■<1	< 1	
WEAR M	IFTAI S			
_		=2		
Iron	ppm	2	4	
Copper	ppm	2	4	
Lead	ppm		<1	
Tin	ppm	■ <1	<1	
Aluminum	ppm	0	0	
Chromium	ppm	0	0	
Molybdenum	ppm	0	0	
Nickel	ppm	■ <1	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	0	0	
Vanadium	ppm	0	0	
VOLVO				
ADDITIV	ES			
Calcium	ppm	1	4	
Magnesium	ppm	<u>5</u>	16	
Zinc	ppm	24	39	
	PP			

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COWIN EQUIPMENT - ATLANTA

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

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. No abnormal wear or visible detected. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:COWMABUnique No:10689629Signed:Don BaldridgeReport Date:16 Oct 2023

ppm

ppm

ppm

Phosphorus

Barium

Boron

408

■0



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GRAPHS

