CONSTRUCTION EQUIPMENT SW0-071815 NATL CEME EPIROC D60-10 TMG22SED02 10 - HYDRAU

Sample No: VCP453745 **Oil Type:**

VOLVO

VOLVO SUPER HYDRAULIC OIL 46 Job No:

SWO-071815 NATL CEME

SAMPLE INFORMATION VCP453745 Sample Number Sample Date 15 May 2024 Machine Hours 1974 Oil Hours 0 Oil Changed Changed ATTENTION Sample Status **OIL CONDITION** Visc @ 40°C cSt 44.9 Acid Number (AN) mg KOH/g 0.45 8

Water	%	NEG		
Water			 	
Particles >4µm		8656	 	
Particles >6µm		1836	 	
Particles >14µm		41	 	
ISO 4406:1999 (c)		20/18/13	 	
Silicon	ppm	□ <1	 	
Sodium	ppm	□ <1	 	
Potassium	ppm	0	 	

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Iron	ppm	4	 	
Copper	ppm	1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	□<1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	□<1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	45					
Magnesium	ppm	4					
Zinc	ppm	368					
Phosphorus	ppm	275					
Barium	ppm	0					
Boron	ppm	0					



COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY **BIRMINGHAM. AL** US 35217 Contact: BRANTLY CLAY bclay@cowin.com T: F: (205)856-2106

Diagnosis

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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO8528 Unique No: 11035537 Signed: Wes Davis Report Date: 21 May 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 10 - 491,520--26 iron 9 •• chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 6 mdo E, 30,720 -22 15,360 -21 3 7.680 20 3,840 -19 0 1,920 18 🛛 nber of particles (per 1 ml) May15/24 May15/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 9 m lead -14 6 tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 8 10 4 9 2 8 Ω May15/24 May15/24 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 cSt (40°C) 44 0.25 Numper 0.20 42 U PCIQ 0.15 40 0.10 Abnormal 38. 0.05 0.00 36 May15/24 May15/24 5/24 May15/24 May1^F

Report Id: VOLVO8528 [WUSCAR] 06184211 (Generated: 05/21/2024 13:07:40) Rev: 1

Contact/Location: BRANTLY CLAY - VOLVO8528