CONSTRUCTION EQUIPMENT 687011 VOLVO EC200EL 314968 - HYDRAULIC SYSTEM

Sample No:	VCP440915
Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
Job No:	687011

SAMPLE INFORMATION

VOLVO

Sample Number		VCP440915	 	
Sample Date		07 Mar 2024	 	
Machine Hours		554	 	
Oil Hours		554	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.8	 	
Acid Number (AN)	mg KOH/g	0.50	 	
CONTAMIN	NATION			
Wator	0/_	NEC		

Water	%	NEG	 	
Particles >4µm		3482	 	
Particles >6µm		1042	 	
Particles >14µm		100	 	
ISO 4406:1999 (c)		19/17/14	 	
Silicon	ppm	2	 	
Sodium	ppm	□ <1	 	
Potassium	ppm	0	 	

🖉 WEAR METALS

Iron	ppm	0	 	
Copper	ppm	7	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

VOLVO

ADDITI	VES			
Calcium	ppm	80	 	
Magnesium	ppm	 <1	 	
Zinc	ppm	463	 	
Phosphorus	ppm	365	 	
Barium	ppm	 <1	 	
Boron	ppm	0	 	



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: ROBERT TURNER rturner@ripatampa.com T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 RIPTAM

 Unique No:
 10975882

 Signed:
 Wes Davis

 Report Date:
 12 Apr 2024

 Contact/Location: ROBERT TURNER - RIPTAM

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 ß bnorma mdo E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 Ω 1,920 18 🛛 Mar7/24 Mar7/24 nber of particles (per 1 ml) 4406:1999 Cleanlines 960 17 Non-ferrous Metals 480 16 10 15 copper 240 9 🐜 lead 14 • tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 4 2 0 Mar7/24 Mar7/24 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 0.55 Abnormal 50 0.50 0.45 48 (^B/HOX 0.35 Bas 46 cSt (40°C) 44 Ē 0.30 Vin Number Vicio Acid 42 40 0.10 Abnormal 38. 0.05 0.00-36 Mar7/24 -Mar7/24 Mar7/24 Mar7/24

Report Id: RIPTAM [WUSCAR] 06145804 (Generated: 04/12/2024 10:32:17) Rev: 1

Contact/Location: ROBERT TURNER - RIPTAM