CONSTRUCTION EQUIPMENT 8000387032 VOLVO EC160EL 314249 - HYDRAULIC SYSTEM

Sample No: VCP392852 **Oil Type: VOLVO SUPER HYDRAULIC OIL 46** Job No: 8000387032

SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP392852	 	
Sample Date		29 Nov 2023	 	
Machine Hours		1658	 	
Oil Hours		1658	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.8	 	
VOLVO				
CONTAMI	NATION			
Water	%	NEG	 	
Particles >4µm		10808	 	
Particles >6µm		1320	 	
Particles >6µm Particles >14µm		■ 1320 ■ 58	 	
•				
Particles >14µm	ppm	58		
Particles >14µm ISO 4406:1999 (c)	ppm ppm	58 21/18/13	 	
Water				

FAR METALS

WLAR P	ICTALS			
Iron	ppm	9	 	
Copper	ppm	4 3	 	
Lead	ppm	2	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

Calcium	ppm	119				
Magnesium	ppm	6				
Zinc	ppm	672				
Phosphorus	ppm	525				
Barium	ppm	 <1				
Boron	ppm	1				



STRONGCO EQUIPMENT INC.

55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK DARTMOUTH, NS CA B3B 1N6 Contact: Justin Hennigar jhennigar@strongco.com T: (902)468-5010 F: (902)468-2468

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 condition of the oil is acceptable for the time in service.

Depot: SHEDAR Unique No: 5694347 Signed: Wes Davis Report Date: 07 Dec 2023

Contact/Location: Justin Hennigar - SHEDAR

CONSTRUCTION EQUIPMENT



-26

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4406:1999 Cleanlines:

GF

VOLVO

GRAPHS Ferrous Alloys Particle Count 10 - 491,520 iron 9 245,760 chromium nickel 8 122,880 61,440 ß Abnorma ppm E, 30,720 15,360 2 7,680 3,840 ſ 1,920 umber of particles (per 1 ml) Nov29/23 Vov29/23 960 Non-ferrous Metals 480 45 240 40 Iead tin 120 35 60 30 25 30 ppm 20 15 15 8 10 4 5 2 Ω Nov29/23 Nov29/ 0**+** 4μ 14µ Viscosity @ 40°C 52 Abnormal 50 48 Bas 46 cSt (40°C) 41 42 40 38 Abnormal

Nov29/23

Report Id: SHEDAR [WCAMIS] 02601262 (Generated: 12/07/2023 08:40:39) Rev: 1

36

Nov29/23

21µ

38µ