# CONSTRUCTION EQUIPMENT SPM661173 HERC VOLVO ECR145EL 311879 - HYDRAULIC SYSTEM

Sample No: VCP454236 **Oil Type: VOLVO SUPER HYDRAULIC OIL 46** Joh No:

JOD	NO

SPM661173 HERC

## SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP454236				
Sample Date		15 Apr 2024				
Machine Hours		2911				
Oil Hours		0				
Oil Changed	Oil Changed					
Sample Status	Sample Status					
OIL CONDITION						
Visc @ 40°C	cSt	<b>48.1</b>				
Acid Number (AN)	mg KOH/g	0.66				
CONTAMINATION						

Water	%	NEG			
Particles >4µm		3458			
Particles >6µm		<b>126</b>			
Particles >14µm		<b>11</b>			
ISO 4406:1999 (c)	)	19/14/11			
Silicon	ppm	3			
Sodium	ppm	3			
Potassium	ppm	3			

## FAR METAL

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Iron	ppm	<b>4</b>	 	
Copper	ppm	23	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm		 	
Aluminum	ppm	□<1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	592				
Magnesium	ppm	8				
Zinc	ppm	564				
Phosphorus	ppm	<b>459</b>				
Barium	ppm	0				
Boron	ppm	0				



#### ALTA EQUIPMENT COMPANY

5210 REESE ROAD DAVIE, FL US 33314 Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

### 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: VOLVO0095 Unique No: 10983086 Signed: Wes Davis Report Date: 19 Apr 2024 Contact/Location: N. FACEY - VOLVO0095

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491,520 --26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß bnorma ppm E, 30,720 -22 15,360 -21 3 7.680 20 -19 3,840 0 1,920 18 🛛 Apr15/24 ber of particles (per 1 ml) Apr15/24 4406:1999 Cleanlines 960 17 Non-ferrous Metals 480 16 24 15 240 22 lead 20 14 120 18 -13 60. 16 14 30 12 ud 12 10 15 11 8 10 8 ß 4 9 2 2 8 Ω Apr15/24 Apr15/24 21µ 14µ 38, Viscosity @ 40°C Acid Number 52 0.70 Abnormal 50 0.60 48 (B/HOX BW) Base 46 cSt (40°C) 44 Number 0.30 42 Pcid 1 40 Abnormal 0.10 38. 36 0.00-Apr15/24 Apr15/24 Apr15/24 Apr15/24

Report Id: VOLVO0095 [WUSCAR] 06153008 (Generated: 04/19/2024 11:36:31) Rev: 1

Contact/Location: N. FACEY - VOLVO0095