VOLVO

### **CONSTRUCTION EQUIPMENT** VOLVO ECR145 315945 - HYDRAULIC SYSTEM HERC



Sample No: VCP440198 **Oil Type:** AW HYDRAULIC OIL ISO 46 HERC

Job No:

### SAMPLE INFORMATION VCP440198 Sample Number Sample Date 17 Jun 2024 Machine Hours 839 Oil Hours 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 42.9 Acid Number (AN) mg KOH/g 0.60 CONTAMINATION NEG % Water Darticle 2800

Particles >4µm		2809	 	
Particles >6µm		1023	 	
Particles >14µm		<b>103</b>	 	
ISO 4406:1999 (c)		19/17/14	 	
Silicon	ppm	7	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

WEAR M	ETALS			
Iron	ppm	0	 	
Copper	ppm	30	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

Calcium	ppm	<b>91</b>					
Magnesium	ppm	0					
Zinc	ppm	566					
Phosphorus	ppm	<b>432</b>					
Barium	ppm	0					
Boron	ppm	0					



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

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## 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: VOLVO0093 Unique No: 11096289 Signed: Wes Davis Report Date: 25 Jun 2024

# **CONSTRUCTION EQUIPMENT**



GRAPHS

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#### 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 hnorm mdo E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 Ω 1,920 18 🛛 umber of particles (per 1 ml) Jun17/24 Jun17/24 4406:1999 Cleanlines 960 17 Non-ferrous Metals 480 16 30 15 copper 240 lead 14 25 120 60 -13 20 30 12 E 15 15 -11 10 8 10 4 Ş 2 8 Ω Jun17/24 Jun17/24 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 1.00-Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO) 0.60 mg kupper (B/HO) 0.60 mg kupper (B/HO) 0.60 mg kupper (B/HO) 0.60 mg kupper (B/HO) 0.70 mg kupper (B/HO) 0.70 mg kupper (B/HO) 0.60 mg kupper 48 47 cSt (40°C) 46 45 44 Pio 0.30 43 42 Abnorma 0.20 41 Abnormal 0.10 40 0.00 39 Jun17/24 -Jun17/24 Jun 17/24 Jun 17/24

Report Id: VOLVO0093 [WUSCAR] 06218092 (Generated: 06/25/2024 12:02:01) Rev: 1

Contact/Location: KENNY HANEY - VOLVO0093