

CONSTRUCTION EQUIPMENT Shop Fluid - Hydraulic System



Sample No:VCP398316Oil Type:NOT GIVEN

Job No:

Boron

VOLVO				
SAMPLI	E INFORMATION			
Sample Number	-	VCP398316		
Sample Date		19 Aug 2023		
Machine Hours		0		
Oil Hours		0		
Oil Changed		N/A		
Sample Status		ABNORMAL		
OIL CON				
		·= .		
Visc @ 40°C	cSt	45.8		
Acid Number (Al	N) mg KOH/g	0.50		
VOLVO				
CONTAI	MINATION			
Particles >4µm	-	A 17695		
Particles >6µm		▲ 5329		
Particles > 14µm		▲ 433		
ISO 4406:1999 (c	·)	21/20/16		
Silicon	ppm	□<1		
Sodium	ppm	0		
Potassium	ppm			
	le le			
VOLVO				
V WEAR N	METALS			
Iron	ppm	0		
Copper	ppm	0		
Lead	ppm	0		
Tin	ppm	0		
Aluminum	ppm	0		
Chromium	ppm	0		
Molybdenum	ppm	0		
Nickel	ppm	0		
Titanium	ppm	0		
Silver	ppm	<1		
Manganese	ppm	0		
Vanadium	ppm	0		
VOLVO				
	VES			
Calcium	-	57		
Magnesium	ppm ppm	<1		
Zinc	ppm	457		
Phosphorus	ppm	340		
Barium	ppm	0		
Paran	ppm	0	-	 -



HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:	INSEPH		
Unique No:	10608067		
Signed:	Wes Davis		
Report Date:	21 Aug 2023		

0

ppm

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 10 - 491,520--26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß ppm 5 30,720 -22 15,360 -21 2 7,680 20 bnorma 3,840 -19 Ω 1,920 -18 🛛 Aug19/23 nber of particles (per 1 ml) Aug19/23 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 30 12 mdo 5 15 2 8 10 4 2 8 Ω Aug19/23 Aug 19/23 21µ 14μ 38µ Viscosity @ 40°C Acid Number 52-0.55 Abnormal 0.50 50 0.45 48 (^B/HOX 0.35 (0°04) tso 44 Ē 0.30 40.25 Vinuper 90.20 Vinuper 90.15 42 0.10 Abnormal 40 0.05 0.00 38 Aug19/23 -Aug19/23 Aug19/23 9/23 Aug1

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Contact/Location: CHAD HERRON - INSEPH