CONSTRUCTION EQUIPMENT 3280B0 LKQ VOLVO L90H 626397 - HYDRAULIC SYSTEM

Sample No:VCP405519Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:3280BO LKQ

SAMPLE INFORMATION

VOLVO

Sample Number		VCP405519	 	
Sample Date		21 Mar 2023	 	
Machine Hours		1170	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ATTENTION	 	
OIL CONDITI	ION			
Visc @ 40°C	cSt	44.6	 	
Acid Number (AN)	mg KOH/g	0.30	 	
CONTAMINA	ATION			
Particles >4µm		6220	 	
Particles >6um		A 2002	 	

	INATION			
Particles >4µm		6220	 	
Particles >6µm		<u> </u>	 	
Particles >14µm		145	 	
ISO 4406:1999 (c)		20/18/14	 	
Silicon	ppm	2	 	
Sodium	ppm	0	 	
Potassium	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

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

DLVO	
	WEAR METALS

WEAR I	IL I ALS			
Iron	ppm	 <1	 	
Copper	ppm	 <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	 <1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

ADDIT	VES			
Calcium	ppm	81	 	
Magnesium	ppm	1 4	 	
Zinc	ppm	389	 	
Phosphorus	ppm	311	 	
Barium	ppm	0	 	
Boron	ppm	0	 	

 Depot:
 INSEPH

 Unique No:
 10414878

 Signed:
 Don Baldridge

 Report Date:
 10 Apr 2023

Report Id: INSEPH [WUSCAR] 05812086 (Generated: 08/21/2023 13:48:32) Rev: 1

Contact/Location: CHAD HERRON - INSEPH

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 491,520-10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß ppm E, 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 Ω 1,920 -18 🛛 nber of particles (per 1 ml) 23 Mar21/23 4406:1999 Cleanlines: Mar21 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead -14 6 tin 120 8 -13 60 ß 30 -12 mdo Ę 15 -11 2 10 8 4 2 Ω Mar21/23 /23 Mar21 0, 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.30-Abnormal 50 0.24 48 1 Number (mg KOH/g) 10.10 Base 46 cSt (40°C) 45 42 Acid 40. 0.06 Abnormal 38 36 0.00-Mar21/23 -Mar21/23 Mar21/23 Mar21/23

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