CONSTRUCTION EQUIPMENT 62 1980 VOLVO L90H 624448 - HYDRAULIC SYSTEM



Sample No: VCP430606

VOIN

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
Job No:	621980

	INFORMATION		 	
Sample Number		VCP430606	 	
Sample Date		31 Oct 2023	 	
Machine Hours		11390	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ATTENTION	 	
OIL COND	ITION			
Visc @ 40°C	cSt	59.8	 	
Acid Number (AN)) mg KOH/g	0.48	 	
	_			
CONTAM	INATION			
Particles >4µm		4954	 	
Particles >6µm		1346	 	
Particles >14µm		236	 	
ISO 4406:1999 (c)		19/18/15	 	
Silicon	ppm	2	 	
Sodium	ppm		 	
Potassium	ppm	0	 	
WEAR MI	ETALS			
Iron	ppm	1	 	
Copper	ppm	□ <1	 	
Lead	ppm	 <1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	 <1	 	
Nickel	ppm	0	 	
		_		



ORESTRY RESOURCES

353 MICHIGAN LINK ORT MYERS, FL JS 33916 ontact: COREY MUELLER

(239)872-1856

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 oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

WEAR I	METALS			
Iron	ppm	1	 	
Copper	ppm	 <1	 	
Lead	ppm	 <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	 <1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	
ADDITI	VES		 	
Calcium	nom	000		

	(6)			
Calcium	ppm	889	 	
Magnesium	ppm	24	 	
Zinc	ppm	552	 	
Phosphorus	ppm	445	 	
Barium	ppm	0	 	
Boron	ppm	22	 	

Depot: FORFORTFL Unique No: 10726262 Signed: Don Baldridge Report Date: 06 Nov 2023

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 mdo E, 30,720 -22 15,360 -21 2 7,680 20 bnorma 3,840 -19 0 1,920 18 🛛 0ct31/23 nber of particles (per 1 ml) /23 4406:1999 Cleanlines: 0ct31 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 4 2 8 Ω 0ct31/23 /23 0ct31 0, 21µ 38µ 14μ Viscosity @ 40°C Acid Number 62 0.50 60 0.45 58 56 0.40 54 52 Abnormal (J-04) 48 48 ja 0.25 Te 0.20 46 U PCIQ 0.15 44 42 0.10 40 0.05 Abnormal 38 36 0.00-0ct31/23-0ct31/23 0ct31/23 0ct31/23

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Contact/Location: COREY MUELLER - FORFORTFL