CONSTRUCTION EQUIPMENT SW1016064 LKQ VOLVO L90E 71078 - HYDRAULIC SYSTEM

Sample No:VCP404211Oil Type:AW HYDRAULIC OIL ISO 46Job No:SW1016064 LKQ

ZOTAZ

SAMPLE II	NFORMATION			
Sample Number	-	VCP404211	 	
Sample Date		21 Jun 2023	 	
Machine Hours		6452	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ATTENTION	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.8	 	
Acid Number (AN)	mg KOH/g	0.40	 	
VOLVO				

Water % Particles >4µm	6	NEG 5488	 	
Particles >4um		5488		
i unicico y q µm		- • • • •	 	
Particles >6µm		1 733	 	
Particles >14µm		126	 	
ISO 4406:1999 (c)		20/18/14	 	
Silicon p	pm	2	 	
Sodium p	pm	2	 	
Potassium p	pm	0	 	

💞 WEAR METALS

Iron	ppm	2	 	
Copper	ppm		 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

VOLVO

Calcium	ppm	319			
Magnesium	ppm	6			
Zinc	ppm	451			
Phosphorus	ppm	360			
Barium	ppm	4			
Boron	ppm	0			



ARNOLD MACHINERY COMPANY

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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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLVO6174

 Unique No:
 10534810

 Signed:
 Jonathan Hester

 Report Date:
 29 Jun 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 491.520-10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 24 61,440 -23 ß mdo 5 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 0 1,920 -18 🛛 Jun21/23 nber of particles (per 1 ml) Jun21/23 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 -11 2 10 8 4 2 Ω /23 Jun21/23 Jun21 0, 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52-1.00 T Abnormal Abnormal 0.90 50 0.80 48 (B/HO) 0.60 0.50 Wind KOH/B) 0.50 0.40 B (10°05) tS2 44 Acid 1 42 Abnorma 0.20 Abnormal 40 0.10 38 0.00-Jun21/23. Jun21/23 Jun21/23 Jun21/23

Report Id: VOLVO6174 [WUSCAR] 05884327 (Generated: 12/27/2023 18:01:15) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174