CONSTRUCTION EQUIPMENT 645347 5729 VOLVO L 180H 5729 - HYDRAULIC SYSTEM

 Sample No:
 VCP432670

 Oil Type:
 VOLVO SUPER HYDRAULIC OIL 46

 Job No:
 645347

SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP432670	VCP419012		
Sample Date		04 Dec 2023	11 Oct 2023		
Machine Hours		2153	1427		
Oil Hours		0	0		
Oil Changed		Not Changd	Not Changd		
Sample Status		ATTENTION	ABNORMAL		
OIL CONDI	Not Changd Not Changd Is ATTENTION ABNORMAL CONDITION cSt 41.6 41.9				
Visc @ 40°C	cSt	41.6	41.9		
Acid Number (AN)	mg KOH/g	0.39	0.37		
CONTAMIN	ATION				
Water	%	NEG	NEG		
Particles >4µm		A 7653			
Darticlas > 6um		A 1567			

Particles >4µm		A 7653		
Particles >6µm		🔺 1567		
Particles >14µm		82		
ISO 4406:1999 (c)		20/18/14		
Silicon	ppm		2	
Sodium	ppm	3	1	
Potassium	ppm	0	0	

WEAR METAL

Iron	ppm	0	2	
Copper	ppm	3	2	
Lead	ppm	 <1	<pre></pre>	
Tin	ppm	0	0	
Aluminum	ppm	0	 <1	
Chromium	ppm	 <1	□ <1	
Molybdenum	ppm	0	0	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	 <1	 <1	
Vanadium	ppm	0	0	

VOLVO

ADDITI	VES			
Calcium	ppm	49	39	
Magnesium	ppm	0	0	
Zinc	ppm	422	401	
Phosphorus	ppm	316	305	
Barium	ppm	0	0	
Boron	ppm	0	0	



TRADEMARK METALS RECYCLING - SUTTON 5220 DOVER STREET TAMPA, FL

US 33619 Contact: RYAN BOWDEN

T: F: (813)677-3007

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a light 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:
 TRATAMFL

 Unique No:
 10780266

 Signed:
 Wes Davis

 Report Date:
 12 Dec 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 6 ppm E, 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 0 1,920 -18 🛛 1/23 nber of particles (per 1 ml) Dec4/23 4406:1999 Cleanlines: Oct11 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 3 10 8 4 2 Ω Dec4/23 /23 0ct11 0, 21µ 38µ 14μ Viscosity @ 40°C Acid Number 52 0.40 Abnormal 50 0.35 48 0.30 (B/HO) HO 0.25 Base 46 cSt (40°C) 41 Mumber (mb 0.52) Mumber (mb 0.20) Mumber (mb 0.12) Mumber 42 Acid 40. 0.10 38 Abnormal 0.05 36 0.00-Dec4/23 -Dec4/23 0ct11/23 0ct11/23

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Contact/Location: RYAN BOWDEN - TRATAMFL