

CONSTRUCTION EQUIPMENT VOLVO L 1 10H 632292 - HYDRAULIC SYSTEM



VCP440129 Sample No:

Job No:

Sample Number	NFORMATION	VCP440129		-
Sample Date		24 Mar 2024	 	
Machine Hours		9103	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.8	 	
Acid Number (AN)	mg KOH/g	0.42	 	
CONTAMI	NATION			
Water	%	NEG	 	
Particles >4µm		49144	 	
Particles >6µm		🔺 21603	 	
Particles >14µm		A 3354	 	
ISO 4406:1999 (c)		23/22/19	 	
Silicon	ppm	3	 	
Sodium	ppm	2	 	
Potassium	ppm	∎1	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	3	 	
Copper	ppm	1	 	
Lead	ppm	2	 	
Tin	ppm	 <1	 	
Aluminum	ppm	_ <1	 	
Chromium	ppm	1	 	



IPA AND ASSOCIATES

0149 FISHER AVENUE AMPA, FL JS 33619 Contact: PM Services MServices@ripaconstruction.com

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Iron	ppm	3	 	
Copper	ppm	1	 	
Lead	ppm	2	 	
Tin	ppm		 	
Aluminum	ppm	 <1	 	
Chromium	ppm	1	 	
Molybdenum	ppm	21	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

Calcium	ppm	115				
Magnesium	ppm	17				
Zinc	ppm	447				
Phosphorus	ppm	363				
Barium	ppm	0				
Boron	ppm	4				

Depot: RIPTAM Unique No: 11056049 Signed: Angela Borella Report Date: 31 May 2024

Report Id: RIPTAM [WUSCAR] 06193926 (Generated: 05/31/2024 08:02:43) Rev: 1

Contact/Location: PM Services ? - RIPTAM

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 10 - 491.520--26 iron 9 n 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 3,840 -19 Ω 1,920 18 🛛 nber of particles (per 1 ml) Mar24/24 Mar24/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 480 16 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 3 ·10 8 ema .9 2 8 0 Mar24/24 Mar24/24 21µ 38µ 14μ Viscosity @ 40°C Acid Number 52 0.45 Abnormal 50 0.40 48 0.35 (B/H0.30 Bas 46 cSt (40°C) 44 Ê 0.25 Number Number 42 -Pg 0.15 40 0.10 Abnormal 38. 0.05 0.00-36 Mar24/24 -Mar24/24 Mar24/24 Mar24/24

Report Id: RIPTAM [WUSCAR] 06193926 (Generated: 05/31/2024 08:02:45) Rev: 1

Contact/Location: PM Services ? - RIPTAM