CONSTRUCTION EQUIPMENT 8000373996 VOLVO L90H 623168 - HYDRAULIC SYSTEM

Sample No:VCP394588Oil Type:VOLVO SUPER HYDRAULIC OIL 46

**Job No:** 8000373996

VOLVO

## SAMPLE INFORMATION Sample Number VCP394588 VCP332702 Sample Date 28 Jul 2023 20 May 2022 Machine Hours 0 4834 **Oil Hours** 0 4000 Not Changd Oil Changed Changed Sample Status SEVERE ABNORMAL **OIL CONDITION** Visc @ 40°C cSt 39.9 ▲ 59.4 CONTAMINATION Particles >4µm 27456 3776 **10241** Particles >6µm 682 🛑 1114 49 Particles >14µm ISO 4406:1999 (c) 22/21/17 19/17/13 16 Silicon 9 ppm Sodium ppm 4 7 Potassium ppm **<**1 2 WEAR METALS

Iron	ppm	<b>4</b>	5	 
Copper	ppm	3	4	 
Lead	ppm	□<1	2	 
Tin	ppm	0	<b></b> <1	 
Aluminum	ppm	<b>1</b>	2	 
Chromium	ppm		<1	 
Molybdenum	ppm	0	0	 
Nickel	ppm		<b></b> <1	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	0	<b></b> < 1	 
Vanadium	ppm	0	0	 

**ADDITIVES 1243 2398** Calcium ppm Magnesium ppm 6 9 Zinc 777 **1**071 ppm Phosphorus 658 928 ppm Barium 0 0 ppm 34 **1**73 Boron ppm



STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL RED DEER COUNTY, AB CA T4S 2L4 Contact: Perry Doyle pdoyle@strongco.com T: (403)346-3473 F: (403)346-3487

## Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for topup/fill. Resample in 30-45 days to monitor this situation. The fluid was specified as VOLVO SUPER HYDRAULIC OIL 46, however, a fluid match indicates that this fluid is SAE 10W Low-Ash Natural Gas Engine Oil. Please confirm the oil type and grade on your next sample.All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:	VOLVO9652
Unique No:	5619105
Signed:	Kevin Marson
Report Date:	04 Aug 2023

Contact/Location: Perry Doyle - VOLVO9652

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

