



CONSTRUCTION EQUIPMENT

SWA329567-10 VOLVO L220H 2824 - HYDRAULIC SYSTEM



Sample No: VCP432729
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA329567-10



SAMPLE INFORMATION

Sample Number	VCP432729	VCP396055	VCP411101	VCP367695
Sample Date	19 Aug 2023	16 May 2023	01 Mar 2023	15 Nov 2022
Machine Hours	12965	12185	11698	11024
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:

OIL CONDITION

Visc @ 40°C	cSt	40.8	41.4	40.8	40.3
Acid Number (AN)	mg KOH/g	0.52	0.50	0.48	0.44

T:
F:

CONTAMINATION

Particles >4µm		15790	9639	60420	14499
Particles >6µm		3573	839	10140	1310
Particles >14µm		203	23	141	33
ISO 4406:1999 (c)		21/19/15	20/17/12	23/21/14	21/18/12
Silicon	ppm	10	9	11	11
Sodium	ppm	3	3	1	2
Potassium	ppm	1	<1	1	0

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 suitable for further service.

WEAR METALS

Iron	ppm	11	10	13	13
Copper	ppm	2	2	2	3
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	4	2	4	4
Chromium	ppm	1	2	2	2
Molybdenum	ppm	16	17	13	5
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	877	892	672	712
Magnesium	ppm	119	118	81	46
Zinc	ppm	536	548	560	560
Phosphorus	ppm	472	450	442	458
Barium	ppm	0	0	0	0
Boron	ppm	33	34	26	18

Depot: CALEAS
Unique No: 10617367
Signed: Don Baldrige
Report Date: 24 Aug 2023

VOLVO **GRAPHS**

