



CONSTRUCTION EQUIPMENT

SWO-065495 VOLVO A45G 352915 - BRAKE



Sample No: VCP433855
Oil Type: NOT GIVEN
Job No: SWO-065495



SAMPLE INFORMATION

Sample Number	VCP433855	VCP427477	VCP413259	VCP397731
Sample Date	21 Sep 2023	15 Aug 2023	26 May 2023	19 Jan 2023
Machine Hours	2505	2344	1912	1420
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.2	40.7	40.4	40.5
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CONTAMINATION

Silicon	ppm	20	21	20	22
Sodium	ppm	8	10	10	10
Potassium	ppm	2	<1	<1	<1



WEAR METALS

Iron	ppm	39	52	44	30
Copper	ppm	286	274	215	177
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	3	1	2
Chromium	ppm	1	2	2	1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	6	6	5	4
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3513	4024	3715	3627
Magnesium	ppm	8	12	11	11
Zinc	ppm	1498	1627	1621	1572
Phosphorus	ppm	1261	1328	1327	1243
Barium	ppm	0	0	0	<1
Boron	ppm	123	150	128	126

Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10662696
Signed: Doug Bogart
Report Date: 27 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

