



CONSTRUCTION EQUIPMENT

SWO-064855 VOLVO A45G 352915 - BRAKE



Sample No: VCP427477
Oil Type: NOT GIVEN
Job No: SWO-064855



SAMPLE INFORMATION

Sample Number	VCP427477	VCP413259	VCP397731	VCP388765
Sample Date	15 Aug 2023	26 May 2023	19 Jan 2023	28 Sep 2022
Machine Hours	2344	1912	1420	978
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.7	40.4	40.5	40.3
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CONTAMINATION

Silicon	ppm	21	20	22	19
Sodium	ppm	10	10	10	11
Potassium	ppm	<1	<1	<1	0



WEAR METALS

Iron	ppm	52	44	30	19
Copper	ppm	274	215	177	140
Lead	ppm	<1	0	<1	16
Tin	ppm	<1	0	<1	2
Aluminum	ppm	3	1	2	<1
Chromium	ppm	2	2	1	<1
Molybdenum	ppm	0	<1	<1	3
Nickel	ppm	6	5	4	5
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	2	2	2
Vanadium	ppm	0	0	0	2



ADDITIVES

Calcium	ppm	4024	3715	3627	3777
Magnesium	ppm	12	11	11	9
Zinc	ppm	1627	1621	1572	1603
Phosphorus	ppm	1328	1327	1243	1407
Barium	ppm	0	0	<1	0
Boron	ppm	150	128	126	135

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. 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: 10617657
Signed: Jonathan Hester
Report Date: 25 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

