



CONSTRUCTION EQUIPMENT

SWO-071765 VOLVO A45G 342546 - BRAKE



Sample No: VCP450907
Oil Type: VOLVO WB 101
Job No: SWO-071765



SAMPLE INFORMATION

Sample Number	VCP450907	VCP432958	VCP417742	VCP402213
Sample Date	07 May 2024	04 Oct 2023	19 Jun 2023	28 Feb 2023
Machine Hours	8542	8046	7553	7072
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.6	47.5	47.8	48.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	15	14	15
Sodium	ppm	3	2	6	5
Potassium	ppm	2	2	1	0



WEAR METALS

Iron	ppm	31	25	24	21
Copper	ppm	258	235	191	211
Lead	ppm	<1	<1	2	3
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	0	4	1
Chromium	ppm	1	<1	1	<1
Molybdenum	ppm	4	4	3	4
Nickel	ppm	5	5	4	4
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	2	2
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	2941	2714	2552	3117
Magnesium	ppm	28	25	29	35
Zinc	ppm	1296	1197	1139	1203
Phosphorus	ppm	1128	1060	968	1016
Barium	ppm	2	1	0	0
Boron	ppm	102	77	78	90

Diagnosis

No corrective action is recommended at this time. Oil and filter 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: 11021940
Signed: Sean Felton
Report Date: 14 May 2024



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GRAPHS

