



CONSTRUCTION EQUIPMENT

SWO-068628 VOLVO A45G 353092 - BRAKE



Sample No: VCP443287
Oil Type: {unknown}
Job No: SWO-068628



SAMPLE INFORMATION

Sample Number	VCP443287	VCP431099	VCP407508	VCP395498
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2545	2012	1497	1000
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.6	40.7	40.7	41.1
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CONTAMINATION

Water	%	NEG	▲ 0.291	NEG	NEG
Silicon	ppm	21	20	19	18
Sodium	ppm	4	10	11	12
Potassium	ppm	3	2	0	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	35	32	32	26
Copper	ppm	148	111	73	42
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	3	0	2
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	7	6	4	4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	2	1	1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3628	3408	3674	3881
Magnesium	ppm	8	7	9	9
Zinc	ppm	1595	1508	1643	1662
Phosphorus	ppm	1253	1266	1355	1351
Barium	ppm	8	0	0	0
Boron	ppm	117	116	121	128

Depot: SAIBIR
Unique No: 10820296
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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VOLVO GRAPHS

