



CONSTRUCTION EQUIPMENT

SWO-068625 VOLVO A45G 353090 - DROP BOX



Sample No: VCP447550
Oil Type: {unknown}
Job No: SWO-068625



SAMPLE INFORMATION

Sample Number	VCP447550	VCP432859	VCP407519	VCP395389
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2588	2023	1481	1006
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.1	47.2	45.6	47.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	46	44	42	37
Sodium	ppm	2	8	10	10
Potassium	ppm	6	4	1	2

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	225	190	145	133
Copper	ppm	22	17	10	9
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	0	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	8	6	6	8
Nickel	ppm	1	1	<1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	7	6	4	3
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	32	43	52	57
Magnesium	ppm	4	3	2	3
Zinc	ppm	129	121	103	97
Phosphorus	ppm	2139	2174	2385	2313
Barium	ppm	8	0	0	0
Boron	ppm	172	136	127	152

Depot: SAIBIR
Unique No: 10820300
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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VOLVO GRAPHS

