



CONSTRUCTION EQUIPMENT

SW1027987 DIAMOND VOLVO A40D 60013 - TRANSMISSION



Sample No: VCP415118
Oil Type: ATF
Job No: SW1027987 DIAMOND



SAMPLE INFORMATION

Sample Number	VCP415118	VC109868	VC027451	VC043182
Sample Date	20 Dec 2023	23 Apr 2004	29 Dec 2003	14 Mar 2003
Machine Hours	4671	3941	3263	2053
Oil Hours	0	0	545	674
Oil Changed	Changed	Not Changd	N/A	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.67	25.51	28.7	27.57
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	4	6	6
Sodium	ppm	1	1	2	2
Potassium	ppm	2	0	<1	0

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	0	16	9	13
Copper	ppm	1	45	26	9
Lead	ppm	0	8	4	5
Tin	ppm	0	3	2	0
Aluminum	ppm	0	11	5	4
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	0	31	14	56
Magnesium	ppm	0	0	0	<1
Zinc	ppm	<1	12	4	16
Phosphorus	ppm	378	166	202	300
Barium	ppm	0	<1	0	<1
Boron	ppm	0	54	72	127

Depot: VOLVO6174
Unique No: 10808701
Signed: Jonathan Hester
Report Date: 04 Jan 2024



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GRAPHS

