



CONSTRUCTION EQUIPMENT

SW1027987 DIAMOND VOLVO A40D 60013 - DROP BOX



Sample No: VCP419574
Oil Type: GEAR OIL SAE 80W90
Job No: SW1027987 DIAMOND



SAMPLE INFORMATION

Sample Number	VCP419574	VC006211	VC016254	---
Sample Date	20 Dec 2023	14 Mar 2003	19 Aug 2002	---
Machine Hours	467	2053	0	---
Oil Hours	0	674	1379	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	136	▲ 127.8	244.8	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	71	19	50	---
Sodium	ppm	3	3	7	---
Potassium	ppm	8	0	26	---

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	416	60	170	---
Copper	ppm	8	9	10	---
Lead	ppm	0	1	4	---
Tin	ppm	0	0	0	---
Aluminum	ppm	15	1	3	---
Chromium	ppm	4	2	1	---
Molybdenum	ppm	2	4	1	---
Nickel	ppm	3	<1	1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	8	6	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	89	305	481	---
Magnesium	ppm	14	4	2	---
Zinc	ppm	125	140	235	---
Phosphorus	ppm	524	906	1335	---
Barium	ppm	0	<1	5	---
Boron	ppm	13	106	97	---

Depot: VOLVO6174
Unique No: 10808686
Signed: Don Baldrige
Report Date: 02 Jan 2024



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GRAPHS

