

CONSTRUCTION EQUIPMENT
SW1027987 DIAMOND VOLVO A40D 60013 - FRONT RIGHT FINAL

VCP369189 Sample No:

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

VOLVO CAMDIF	INFORMATION				
	INFORMATION			140046004	<u>.</u>
Sample Number		VCP369189	VC043200	VC016301	
Sample Date		20 Dec 2023	14 Mar 2003	20 Aug 2002	
Machine Hours		4671	2053	1379	
Oil Hours		0	674	1379	
Oil Changed		Changed	Not Changd	Changed	
Sample Status		ATTENTION	ABNORMAL	ABNORMAL	
VOLVO					
OIL CONE	DITION				
Visc @ 40°C	cSt	284	<u> </u>	135.6	
VOLVO	IN A TION				
CONTAM	INATIUN				
Water	%	NEG	NEG	NEG	
Silicon	ppm	18	1 3	□10	
Sodium	ppm	■ <1	2	2	
Potassium	ppm	■9	1 4	1 9	
WEAR M	ETALC				
Iron	ppm	■ 479	△ 613	□371	
Copper	ppm	■23	■31	1 9	
Lead	ppm	■0	- <1	- <1	
Tin	ppm	■ <1	0	□0	
Aluminum	ppm	1	1	- <1	
Chromium	ppm	■ 7	1 0	6	
Molybdenum	ppm		0	0	
Nickel	ppm	2	5	5	
Titanium	ppm	<1	- <1	□0	
Silver	ppm	0	0	□0	
Manganese	ppm	■8	13	9	
Vanadium	ppm	0	<1	0	
VOLVO					
ADDITIV	ES				
Calcium	ppm	66	14	28	
Magnesium	ppm	■8	2	2	
Zinc	ppm	■14	14	17	
Phosphorus	ppm	968	642	636	
Barium	ppm	■0	<1	<1	
Boron	ppm	123	<1	1	
DOTOTT	ppiii		~ 1		



ARNOLD MACHINERY COMPANY

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Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Confirm oil type.

Depot: VOLVO6174 **Unique No:** 10808689 Signed: Don Baldridge Report Date: 02 Jan 2024



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