

CONSTRUCTION EQUIPMENT

SW1027987 DIAMOND VOLVO A40D 60013 - FRONT LEFT FINAL

Sample No: VCP371399

Oil Type: GEAR OIL SAE 80W90

Job No: SW1027987 DIAMOND

VOLVO	INFORMATION				
	INFORMATION				
Sample Number		VCP371399	VC043198	VC027018	
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	
OIL COND	DITION				
Visc @ 40°C	cSt	▲ 284	1 40.3	136.1	
CONTAM	INATION				
Water	%	NEG	NEG	NEG	
Silicon	ppm	■18	■10	1 0	
Sodium	ppm	■<1	2	2	
Potassium	ppm	■ 9	0	1 9	
WEAR M	FTΔI C				
			- 400		
Iron	ppm	■ 511	429	■387	
Copper	ppm	■23	2 9	1 9	
Lead	ppm	0	- <1	- <1	
Tin	ppm	■ <1	0	0	
Aluminum	ppm	1	- <1	1 <1	
Chromium	ppm	7	6	6	
Molybdenum	ppm		0	0	
Nickel	ppm	■2	4	6	
Titanium	ppm	<1	- <1	0	
Silver	ppm	0	0	0	
Manganese	ppm	9	10	10	
Vanadium	ppm	0	0	<1	
VOLVO					
ADDITIV	ES				
Calcium	ppm	■83	12	28	
Magnesium	ppm	■ 9	2	<1	
Zinc	ppm	■21	14	19	
Phosphorus	ppm	■980	621	640	
Barium	ppm	0	<1	1	
Boron	ppm	124	<1	1	



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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:VOLVO6174Unique No:10808685Signed:Don BaldridgeReport Date:02 Jan 2024



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