

Sample No: VCP454550

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 703489 IHFT

SAMPLE	INFORMATIO				
Sample Number		VCP454550	VCP431177	VCP399395	
Sample Date		24 May 2024	05 Dec 2023	09 Feb 2023	
Machine Hours		3753	2444	619	
Oil Hours		1000	1000	2000	
Oil Changed		Changed	N/A	Changed	
Sample Status		ABNORMAL	SEVERE	ABNORMAL	
Sample Status		ADITORIVIAL	SLVLIKL	ADNORMAL	
VOLVO					
OIL CON	DITION				
Visc @ 40°C	cSt	160	■194	154	
CONTAN	MINATION				
_					
Water	%	△ 0.269	NEG	NEG	
Silicon	ppm	<u> </u>	6 00	<u>▲</u> 82	
Sodium	ppm	■6	■19	< 1	
Potassium	ppm	10	■28	4	
VOLVO					
WEAR N	AFTAI S				
Iron		<u> </u>	3290	<u></u> 723	
Copper	ppm	▲ 82	▲ 186	▲ 51	
Lead	ppm	5	13	1 5	
Tin	ppm	2	▲ 10	= <1	
Aluminum	ppm	39	131	18	
Chromium	ppm	7	23	■5	
Molybdenum	ppm	1	1	= <1	
Nickel	ppm	2	3	0	
Titanium	ppm	3	10	2	
Silver	ppm	<1	0	0	
Manganese	ppm	■ 14	□ 37	7	
Vanadium	ppm	<1	<1	0	
variauluffi	ppm	<1	< 1	U	
VOLVO					
ADDITIV	IES				
Calcium	ppm	271	□796	129	
Magnesium	ppm	6 1	188	2 6	
Zinc	ppm	■32	4 3	□ 13	
Phosphorus	ppm	■ 1345	587	□ 1778	
Barium	ppm	0	< 1	2	
Boron	ppm	■79	5 7	118	



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Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level has decreased, but is still abnormal. The copper level has decreased, but is still abnormal. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot:VOLVO2990Unique No:11049300Signed:Don BaldridgeReport Date:30 May 2024



CONSTRUCTION EQUIPMENT





