Sample No: VCP391259

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

Job No: SW-34353-2 DYNAMIC

VOLVO	INFORMATION			
	INFORMATION			
Sample Number		VCP391259	VCP391257	
Sample Date		16 May 2024	15 May 2024	
Machine Hours		2179	2179	
Oil Hours		2179	2179	
Oil Changed		Changed	Changed	
Sample Status		SEVERE	SEVERE	
OIL COND	ITION			
Visc @ 40°C	cSt	183	□180	
Visc & 10 C	231	05		
VOLVO				
CONTAM	INATION			
Water	%	NEG	NEG	
Silicon	ppm	A 835	6 82	
Sodium	ppm	12	1 1	
Potassium	ppm	67	58	
VOLVO				
WEAR M	ETALS			
Iron	ppm	▲ 3145	2834	
Copper	ppm	4	4	
Lead	ppm	1	1 <1	
Tin	ppm	■0	0	
Aluminum	ppm	▲ 149	▲ 125	
Chromium	ppm	▲ 32	A 28	
Molybdenum	ppm	5	4	
Nickel	ppm		7	
Titanium	ppm	9	8	
Silver	ppm	<1	<1	
Manganese	ppm	■34	□30	
Vanadium	ppm	<1	<1	
ADDITIV	77			
Calcium	ppm	429	■372	
Magnesium	ppm	63	5 1	
Zinc	ppm	20	2 1	
Phosphorus	ppm	183	214	
Barium	ppm		- <1	
Boron	ppm	2	9	

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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. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO8770
Unique No: 11046308
Signed: Angela Borella
Report Date: 29 May 2024



CONSTRUCTION EQUIPMENT





