

CONSTRUCTION EQUIPMENT

SW1028515 VOLVO EC220EL 314053 - REAR RIGHT FINAL DRIV

Sample No: VCP444493

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

Job No: SW1028515

VOLVO	E INCODMATIO	7			
	E INFORMATIO				
Sample Number		VCP444493	VCP319100		
Sample Date		06 Feb 2024	17 Sep 2021		
Machine Hours		0	2358		
Oil Hours		0	2358		
Oil Changed		Changed	Changed		
Sample Status		SEVERE	SEVERE		
OIL CONDITION					
Visc @ 40°C	cSt	▲ 368	□166		
VOLVO					
CONTAI	MINATION				
Water	%	NEG	NEG		
Silicon	ppm	5112	586		
Sodium	ppm	■308	1 6		
Potassium	ppm	■376	47		
VOLVO	METALC				
WEAK	METALS				
Iron	ppm	6232	2214		
Copper	ppm	■ 9	4		
Lead	ppm	1	< 1		
Tin	ppm	1	- <1		
Aluminum	ppm	1331	124		
Chromium	ppm	■34	<u>^</u> 20		
Molybdenum	ppm	■ 3	2		
Nickel	ppm	13	1		
Titanium	ppm	69	7		
Silver	ppm	0	<1		
Manganese	ppm	43	1 9		
Vanadium	ppm	2	<1		
ADDITIV	VES				
Calcium	ppm	1110	255		
Magnesium	ppm	262	5 3		
Zinc	ppm	26	■34		
Phosphorus	ppm	■887	790		
Barium	ppm	19	0		
Boron	ppm	162	9 1		



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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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot:VOLVO8770Unique No:10873859Signed:Don BaldridgeReport Date:13 Feb 2024



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