

CONSTRUCTION EQUIPMENT

Sample No: VCP418131
Oil Type: SHELL 10W30

Job No: W07013009-1 SHADE TR

CAMDIE	NFORMATION			
	NFURMATIUN			
Sample Number		VCP418131	 	
Sample Date		07 Jul 2023	 	
Machine Hours		1435	 	
Oil Hours		250	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<u>▲</u> 17.4	 	
Base Number (BN)		■ 5.7	 	
Oxidation (PA)	%	130	 	
VOLVO				
CONTAMIN	NATION			
Soot %	%	2.3		
Nitration (PA)	%	143	 	
		-	 	
Sulfation (PA)	%	107	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<u>▲</u> 59	 	
Sodium	ppm	■3	 	
Potassium	ppm	17	 	
VOLVO				
WEAR ME	ZIAT			
Iron		<u> </u>	 	
	ppm			
Copper	ppm	6	 	
Lead	ppm	<1 = <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	▲ 32	 	
Chromium	ppm	5	 	
Molybdenum	ppm	2	 	
Nickel	ppm	■<1	 	
Titanium	ppm	2	 	
Silver	ppm	■ 0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
ADDITIVE:	7			
ADDITIVE.				



McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Cylinder, crank, or cam shaft 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 BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VOLVO8882Unique No:10551294Signed:Doug BogartReport Date:13 Jul 2023

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

2845

1403

1118

0

20



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