

## CONSTRUCTION EQUIPMENT NOT GIVEN VCP401993 (S/N NO INFO ON SIF/BOTTLE) - DIESEL ENGINE

Sample No: VCP401993

VALVOLINE PREMIUM CONVENTIONAL MOTOR OIL 5W20

Oil Type: Job No:

Zinc

Barium

Boron

Phosphorus

	NFORMATION			
Sample Number		VCP401993	 	
Sample Date		22 May 2023	 	
Machine Hours		237000	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI				
	-		 	
Visc @ 100°C	cSt	■8.1	 	
Base Number (BN)	5 5	3.9	 	
Oxidation (PA)	%	69	 	
VOLVO				
V CONTAMIN	NATION			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	90	 	
Sulfation (PA)	%	68	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>4</b> 54	 	
Sodium	ppm	2	 	
Potassium	ppm	∎1	 	
VOLVO				
VEAR ME	TALS			
Iron	ppm	<b>10</b>	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	<b>□</b> <1	 	
Molybdenum	ppm	50	 	
Nickel	ppm	<b>□</b> <1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
VOLVO			 	
ADDITIVE:	2			
Calcium	ppm	785	 	
Magnesium	ppm	662	 	
5				



MCCLUNG-LOGAN EQUIPMENT CO - SALEM

2025 COOK DRIVE SALEM, VA US 24153 Contact: SCOTT CARR scarr@mcclung-logan.com T: (540)418-5218 F:

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO9010

 Unique No:
 10484119

 Signed:
 Don Baldridge

 Report Date:
 25 May 2023

ppm

ppm

ppm

ppm

699

605

0 🔲

14

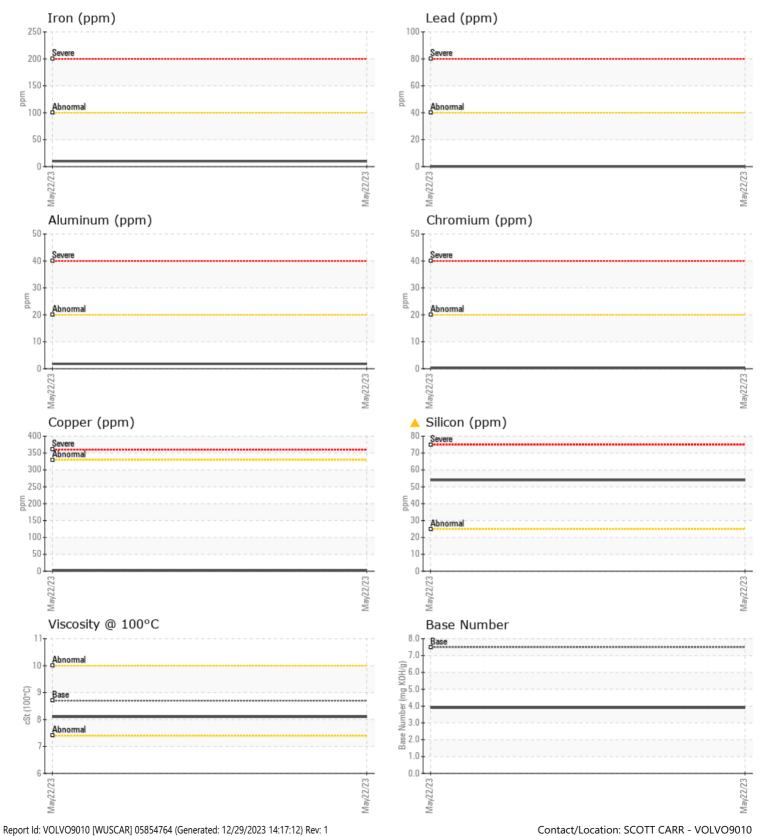
Contact/Location: SCOTT CARR - VOLVO9010

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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