



# CONSTRUCTION EQUIPMENT

SWA306072 VOLVO EC220EL 310620 - DIESEL ENGINE



Sample No: VCP387884

Oil Type: NOT GIVEN

Job No: SWA306072



## SAMPLE INFORMATION

Sample Number	VCP387884	---	---	---
Sample Date	14 Jul 2023	---	---	---
Machine Hours	11142	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	9.9	---	---	---
Base Number (BN)	mg KOH/g	4.2	---	---	---
Oxidation (PA)	%	35	---	---	---



## CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	43	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.7	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	0	---	---	---



## WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	8	---	---	---
Molybdenum	ppm	13	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	1313	---	---	---
Magnesium	ppm	67	---	---	---
Zinc	ppm	801	---	---	---
Phosphorus	ppm	656	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	19	---	---	---



### ALTA EQUIPMENT

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 SYRACUSE, NY  
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### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLV00142  
 Unique No: 10563370  
 Signed: Jonathan Hester  
 Report Date: 20 Jul 2023



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## GRAPHS

