# VOLVO

## **CONSTRUCTION EQUIPMENT** 589948-20 VOLVO EC220 315909 - DIESEL ENGINE



 Sample No:
 VCP410050

 Oil Type:
 VOLVO ULT

 Job No:
 589948-20

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 589948-20

### SAMPLE INFORMATION

Sample Number	-	VCP410050	VCP445689	 
Sample Date		25 Jun 2024	18 Feb 2024	 
Machine Hours		1238	810	 
Oil Hours		400	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	13.3	13.4	 
Base Number (BN)	mg KOH/g	<b>9.1</b>	5.8	 
Oxidation (PA)	%	59	55	 
CONTAMIN	NATION			
Water	%	NEG	NEG	 

Water	%	NEG	NEG	 
Soot %	%	0.1	0.1	 
Nitration (PA)	%	63	66	 
Sulfation (PA)	%	53	58	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	7	<b>1</b> 9	 
Sodium	ppm	5	2	 
Potassium	ppm	2	4	 

#### WEAD

WEAR I	METALS			
Iron	ppm	12	24	 
Copper	ppm	2	10	 
Lead	ppm	■<1	1	 
Tin	ppm		3	 
Aluminum	ppm	4	3	 
Chromium	ppm		2	 
Molybdenum	ppm	61	36	 
Nickel	ppm	<b>1</b>	6	 
Titanium	ppm	<1	<1	 
Silver	ppm	0	0	 
Manganese	ppm	□<1	4	 
Vanadium	ppm	<1	<1	 

ADDITIVES					
Calcium	ppm	1271	1945		
Magnesium	ppm	<b>1009</b>	144		
Zinc	ppm	1362	1092		
Phosphorus	ppm	<b>1063</b>	885		
Barium	ppm	□ <1	2		
Boron	ppm	6	84		



#### ALTA EQUIPMENT COMPANY

5210 REESE ROAD DAVIE, FL US 33314 Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

#### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. 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:
 VOLVO0095

 Unique No:
 11100177

 Signed:
 Don Baldridge

 Report Date:
 28 Jun 2024

Report Id: VOLVO0095 [WUSCAR] 06221980 (Generated: 06/28/2024 13:44:27) Rev: 1

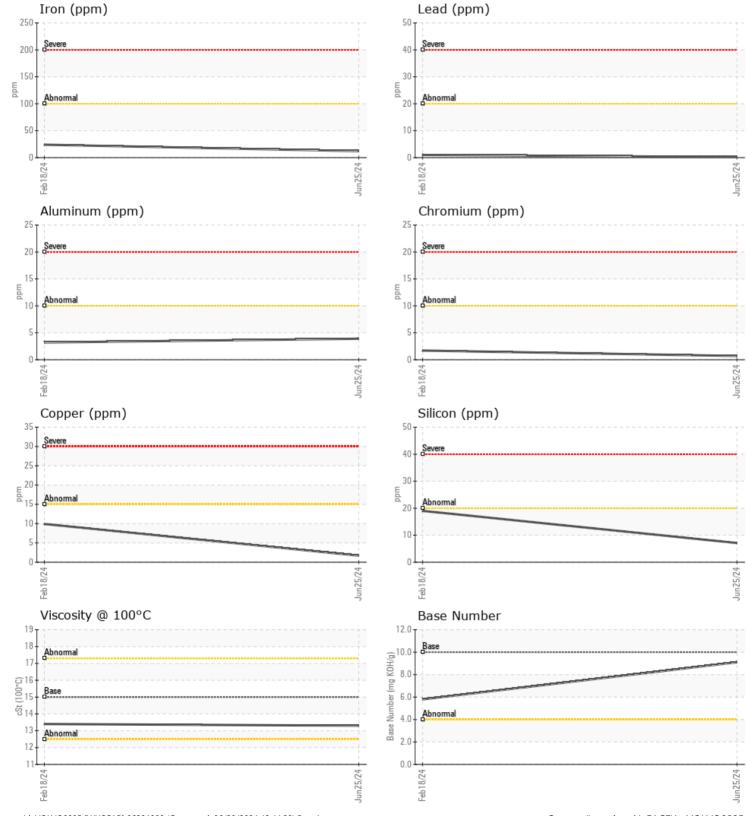
Contact/Location: N. FACEY - VOLVO0095

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: N. FACEY - VOLVO0095