## CONSTRUCTION EQUIPMENT



Sample No: VCP454789 Oil Type: VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: SPM702800 FERROUS

## SAMPLE INFORMATION Sample Number VCP454789 VCP420031 Sample Date 02 May 2024 07 Jul 2023 Machine Hours 4649 775 Oil Hours 0 0 Changed Oil Changed Changed ABNORMAL Sample Status NORMAL Τ· **OIL CONDITION** 12.6 Visc @ 100°C cSt 13.3 7.9 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) 73 55 % CONTAMINATION % NEG NEG Water Soot % % 0.4 0.2 Nitration (PA) % 53 58 % 60 54 Sulfation (PA) Glycol % NEG NEG Fuel % < 1.0 <1.0 8 Silicon ppm 8 🔲 Sodium ppm 2 2 Potassium ppm 1 0 WEAR METALS

Iron	ppm	26	11	 
Copper	ppm	∎1	2	 
Lead	ppm	<b></b> <1	0	 
Tin	ppm	<b>1</b>	1	 
Aluminum	ppm	<b>4</b> 0	5	 
Chromium	ppm	3	<1	 
Molybdenum	ppm	<b>4</b> 4	84	 
Nickel	ppm	0	0	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	1	 
Vanadium	ppm	0	<1	 

ADDITIVES								
Calcium	ppm	<b>1694</b>	1491					
Magnesium	ppm	533	506					
Zinc	ppm	1143	1240					
Phosphorus	ppm	966	1016					
Barium	ppm	0	0					
Boron	ppm	28	399					



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

## Diagnosis

Oil and filter 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.The aluminum level is abnormal. All other 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 acceptable for the time in service.

Report Id: VOLVO0090 [WUSCAR] 06170845 (Generated: 05/08/2024 17:03:30) Rev: 1

 Unique No:
 11016898

 Signed:
 Don Baldridge

 Report Date:
 08 May 2024

VOLVO0090

Contact/Location: TODD LARK - VOLVO0090

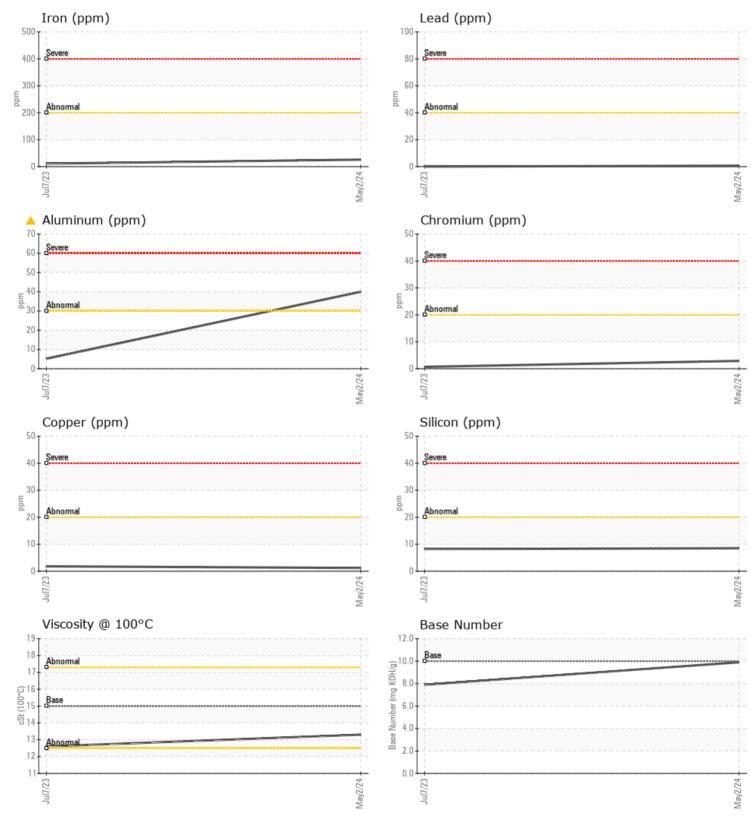
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## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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