CONSTRUCTION EQUIPMENT 5287 VOLVO EC300E 312689 - REAR RIGHT FINAL DRIVE

Sample No: VCP408819

VOLVO

Oil Type:	VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:	5287

SAMPLE INFORMATION VCP408819 Sample Number VCP319718 Sample Date 22 May 2023 23 Aug 2021 Machine Hours 4000 2176 Oil Hours 1000 0 Oil Changed Changed Changed SEVERE SEVERE Sample Status **OIL CONDITION** Visc @ 40°C cSt 394 220 CONTAMINATION Water % **0.200** 919 Silicon 059 ppm Sodium 8 5 ppm Potassium ppm 123 96 WEAR METALS 3003 Iron ppm 2611 Copper ppm 8 6 Lead ppm **||** <1 < 1 Tin ppm 1 <1 Aluminum **A** 312 223 ppm Chromium 28 932 ppm Molybdenum ppm 3 3 Nickel 3 2 ppm Titanium 20 18 ppm

 Titanium
 ppm
 20
 18

 Silver
 ppm
 0
 0

 Manganese
 ppm
 21
 22

 Vanadium
 ppm
 1
 <1</td>

Calcium	ppm	216	166	
Magnesium	ppm	132	83	
Zinc	ppm	31	24	
Phosphorus	ppm	940	387	
Barium	ppm	0	0	
Boron	ppm	129	4	



McClung-Logan Virginia LLC 2025 COOK DRIVE SALEM, VA US 24153 Contact: CHRIS BLANKENSHIP cblankenship@mcclung-logan.com T: E:

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO9010

 Unique No:
 10484518

 Signed:
 Don Baldridge

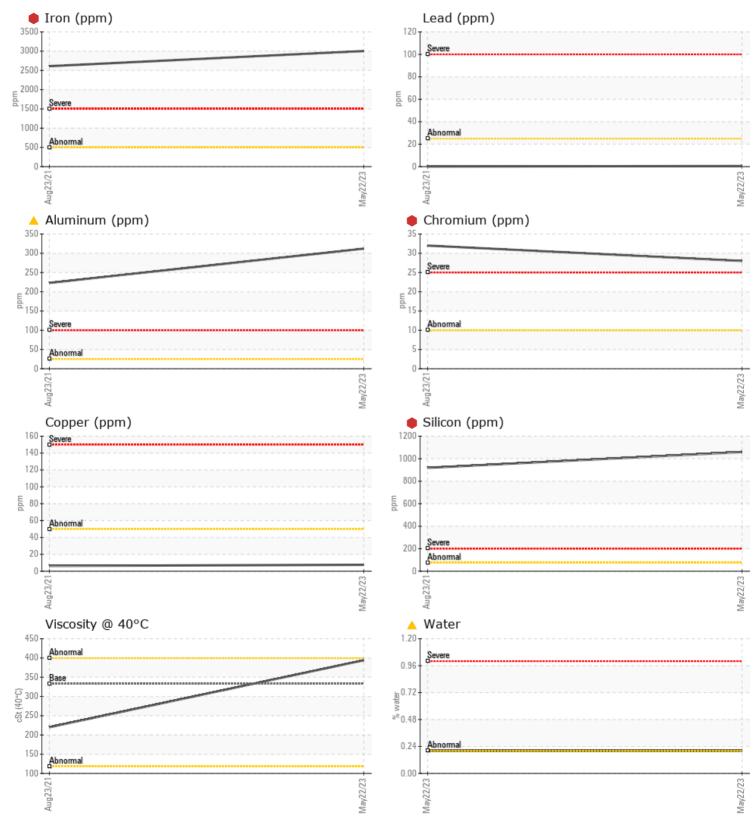
 Report Date:
 25 May 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO9010 [WUSCAR] 05855163 (Generated: 08/18/2023 06:55:24) Rev: 1

Contact/Location: CHRIS BLANKENSHIP - VOLVO9010