CONSTRUCTION EQUIPMENT 9535 VOLVO ECR235EL 310385 - REAR LEFT FINAL DRIVE

 Sample No:
 VCP413939

 Oil Type:
 CHEVRON DELO GEAR ESI OIL 85W140

 Job No:
 9535

VOLVO

SAMPLE INFORMATION VCP413939 Sample Number VCP272107 VCP220408 VCP214643 Sample Date 28 Aug 2023 13 Jun 2020 17 Nov 2018 11 Jan 2018 Machine Hours 4209 2176 1016 485 **Oil Hours** 0 0 0 0 Oil Changed Changed Changed Changed Changed ABNORMAL Sample Status SEVERE SEVERE SEVERE **OIL CONDITION** Visc @ 40°C cSt 2482 438 70.2 178.7 CONTAMINATION Water % **0.873** A 0.227 Silicon 10000 2760 428 **1**90 ppm Sodium 31 9 ppm 3 3 15 Potassium ppm 480 66 20 WEAR METALS 10000 4364 Iron ppm **1**310 202 Copper ppm 9 4 1 < 1 Lead ppm 2 1 0 0 Tin ppm 3 <1 0 0 Aluminum 313 **1**02 60 ppm Δ. **1**3 Chromium 149 49 3 ppm

Molybdenum 20 0 0 ppm <1 Nickel 3 <1 <1 ppm **1**5 Titanium 143 ■43 8 4 ppm Silver 0 0 0 0 ppm Manganese ppm 90 34 10 3 Vanadium ppm 5 2 <1 <1

ADDITIVES Calcium 265 68 15 8 ppm 7 4 Magnesium 244 36 ppm 32 23 Zinc ppm 49 12 Phosphorus 973 952 1710 408 ppm Barium 6 1 <1 3 ppm 82 167 126 <1 Boron ppm



DIRT PLUS

1001 PRINCE GEORGES BLVD UPPER MARLBORO, MD US 20772 Contact: MARCO DECESARIS mdecesaris@dirtplus.biz T: E:

Diagnosis

We advise that you check for the source of water entry. 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. Please note that there was too much contamination present in the oil to perform an accurate viscosity test.Gear wear is indicated. There is a moderate concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot:	DIRUPP
Unique No:	10635507
Signed:	Don Baldridge
Report Date:	10 Sep 2023

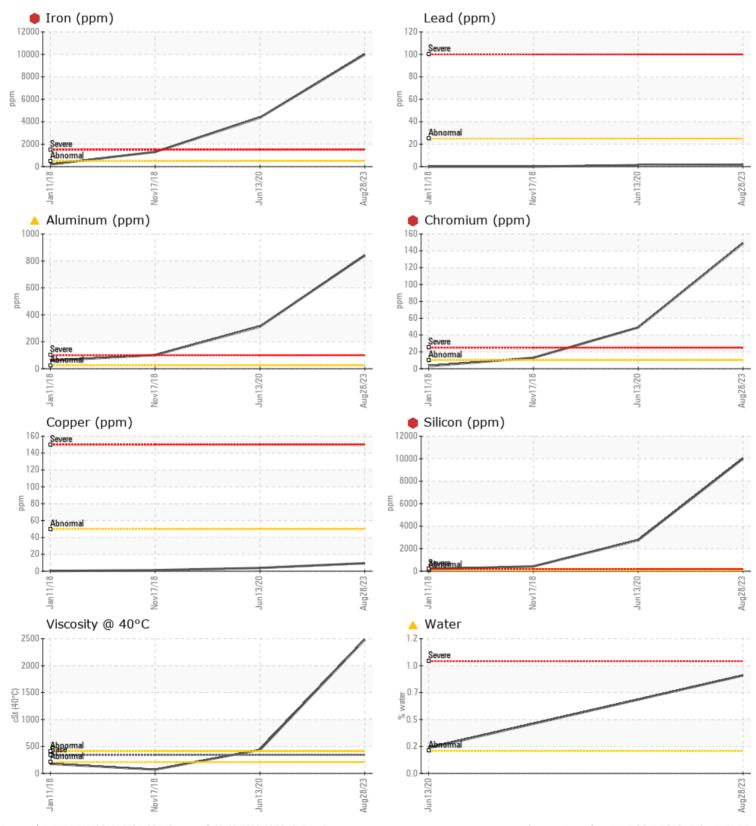
Contact/Location: MARCO DECESARIS - DIRUPP

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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