CONSTRUCTION EQUIPMENT

VOLVO

SW-24085-2 GRANT MAC VOLVO EC480E 310924 - REAR RIGHT FINAL DRI

Sample No: VCP412474 **Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5 Job No: SW-24085-2 GRANT MAC SAMPLE INFORMATION VCP412474 Sample Number VCP354263 Sample Date 14 Sep 2023 26 May 2022 Machine Hours 7932 5705 **Oil Hours** 2100 0 Oil Changed Changed Changed NORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 40°C cSt 164 161 CONTAMINATION Silicon ppm 210 392 Sodium 7 12 ppm Potassium 10 23 ppm WEAR METALS Iron ppm 2595 2142 Copper ppm **7** 5 Lead ppm 0 0 0 Tin ppm **||** <1 Aluminum 29 66 ppm Chromium ppm 13 18 Molybdenum **||** <1 2 ppm Nickel ■ <1 0 ppm Titanium ppm 2 **4** Silver 0 0 ppm Manganese 15 17 ppm Vanadium ppm 0 0 **ADDITIVES** 109 47 Calcium ppm Magnesium 12 26 ppm Zinc 30 43 ppm 802 Phosphorus ppm **1000** Barium 0 ppm 0

61



ARNOLD MACHINERY COMPANY

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Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor.High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLV08770

 Unique No:
 10659109

 Signed:
 Don Baldridge

 Report Date:
 23 Sep 2023

159

ppm

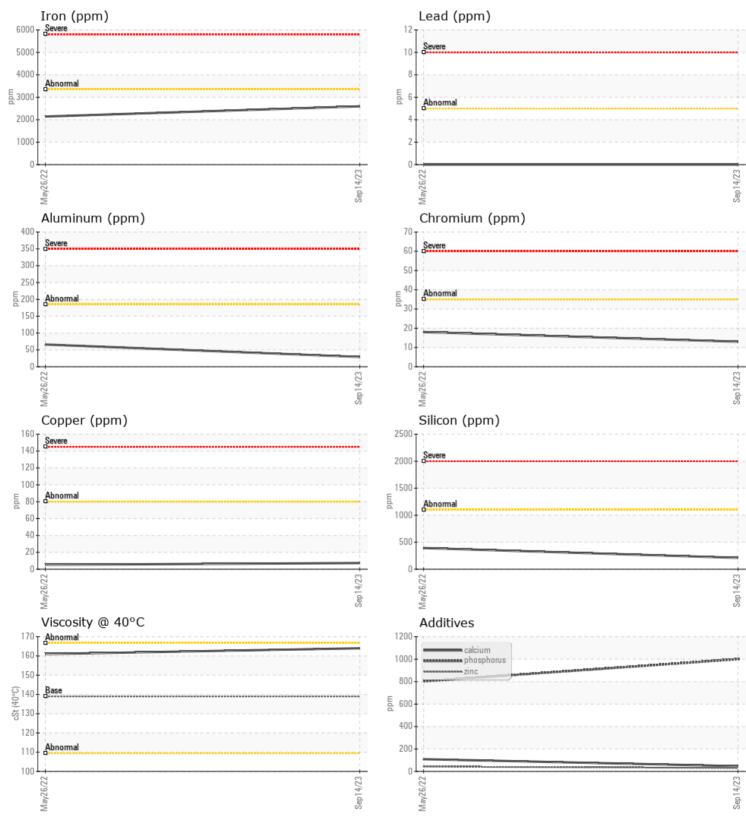
Boron

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GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 05957896 (Generated: 09/30/2023 22:12:40) Rev: 1

Contact/Location: TONY PAYAN - VOLVO8770