CONSTRUCTION EQUIPMENT SPM633895 CH HAGER VOLVO EC160EL 314557 - DIESEL ENGINE

Sample No: VCP435717 **Oil Type: DIESEL ENGINE OIL SAE 15W40** SPM633895 CH HAGER

VOLVO

Job No:

SAMPLE INFORMATION VCP435717 Sample Number VCP420183 Sample Date 10 Nov 2023 24 Jul 2023 Machine Hours 1015 483 Oil Hours 0 0 Oil Changed Changed Changed NORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 100°C cSt 12.5 13.4 7.0 Base Number (BN) mg KOH/g 8.8 Oxidation (PA) 63 50 % CONTAMINATION NEG % NEG Water % Soot % 0.4 0.2 Nitration (PA) % 69 58 % 53 53 Sulfation (PA) Glycol % NEG NEG % <1.0 Fuel <1.0 26 Silicon ppm 11 Sodium ppm 0 1 ppm 2 4



Δ

WEAR METALS 27 ■48 Iron ppm 3 14 Copper ppm Lead 0 1 ppm Tin ppm 2 4 **4** 34 Aluminum ppm 11 2 7 Chromium ppm Molybdenum ppm 55 17 Nickel 9 ppm 2 Titanium **||** <1 < 1 ppm Silver 0 <1 ppm Manganese 5 ppm <1 Vanadium 0 <1 ppm

ADDITIVES					
Calcium	ppm	1257	2893		
Magnesium	ppm	729	177		
Zinc	ppm	1155	1417		
Phosphorus	ppm	932	1232		
Barium	ppm	0	3		
Boron	ppm	 <1	37		



ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

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.

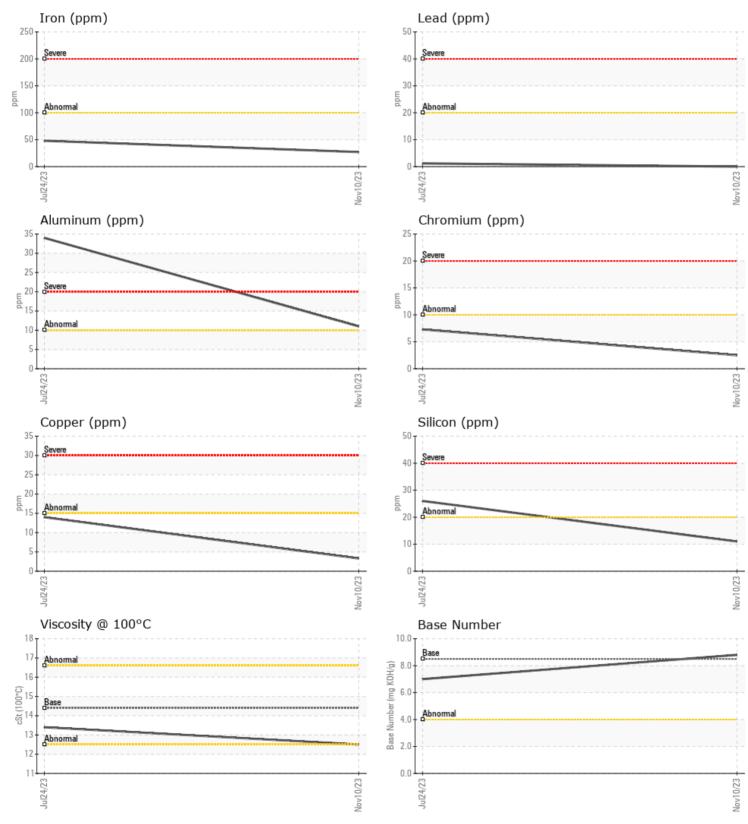
Depot: **VOLVO8885** Unique No: 10766829 Signed: Jonathan Hester **Report Date:** 04 Dec 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8885 [WUSCAR] 06022329 (Generated: 12/04/2023 15:35:02) Rev: 1

Contact/Location: DAVE ENG - VOLVO8885