



CONSTRUCTION EQUIPMENT

A11112 PEDRO PALMER VOLVO EC160EL 314028 - DIESEL ENGINE



Sample No: VCP425930
Oil Type: MOBIL 15W40
Job No: A11112 PEDRO PALMER



HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
 jim.fehr@hoffmanequip.com
 T: (610)363-9200
 F: (610)594-0829



SAMPLE INFORMATION

Sample Number	VCP425930	VCP365709	---	---
Sample Date	15 Sep 2023	03 Nov 2022	---	---
Machine Hours	2020	1579	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.9	14.0	---	---
Base Number (BN)	mg KOH/g	7.7	8.7	---	---
Oxidation (PA)	%	58	63	---	---



CONTAMINATION

Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	65	75	---	---
Sulfation (PA)	%	49	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	6	---	---
Sodium	ppm	5	<1	---	---
Potassium	ppm	4	<1	---	---



WEAR METALS

Iron	ppm	27	15	---	---
Copper	ppm	4	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	6	6	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	77	68	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	2344	2136	---	---
Magnesium	ppm	193	88	---	---
Zinc	ppm	1376	1147	---	---
Phosphorus	ppm	1155	979	---	---
Barium	ppm	0	0	---	---
Boron	ppm	66	69	---	---

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: VOLVO8879
Unique No: 10672653
Signed: Wes Davis
Report Date: 03 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

