



CONSTRUCTION EQUIPMENT

A1112 PEDRO VOLVO EC160E 314028 - SWING DRIVE



Sample No: VCP426000
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A11112 PEDRO



HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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SAMPLE INFORMATION

Sample Number	VCP426000	VCP365712	VCP287265	---
Sample Date	15 Sep 2023	03 Nov 2022	17 Nov 2020	---
Machine Hours	2020	1579	510	---
Oil Hours	1000	0	510	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 312	▲ 314	■ 174	---
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CONTAMINATION

Silicon	ppm	■ 14	■ 9	■ 18	---
Sodium	ppm	■ 1	■ <1	■ 2	---
Potassium	ppm	■ 4	■ 4	■ 14	---



WEAR METALS

Iron	ppm	■ 456	■ 336	■ 1065	---
Copper	ppm	■ 21	■ 16	■ 47	---
Lead	ppm	■ 0	■ 0	■ <1	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 3	■ <1	■ 0	---
Chromium	ppm	■ 4	■ 3	■ 11	---
Molybdenum	ppm	■ 0	■ 1	■ 1	---
Nickel	ppm	■ 0	■ 0	■ <1	---
Titanium	ppm	■ <1	■ <1	■ <1	---
Silver	ppm	■ 0	■ 0	■ 0	---
Manganese	ppm	■ 5	■ 4	■ 13	---
Vanadium	ppm	■ 0	■ 0	■ <1	---



ADDITIVES

Calcium	ppm	▲ 27	▲ 40	■ 37	---
Magnesium	ppm	■ 5	■ 4	■ <1	---
Zinc	ppm	▲ 48	▲ 41	■ 34	---
Phosphorus	ppm	▲ 1169	■ 903	■ 379	---
Barium	ppm	■ 0	■ 0	■ 5	---
Boron	ppm	■ 157	■ 112	■ 3	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO8879
Unique No: 10673206
Signed: Don Baldrige
Report Date: 04 Oct 2023



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GRAPHS

