



CONSTRUCTION EQUIPMENT

A11402 JMC VOLVO ECR235E 311598 - SWING DRIVE



Sample No: VCP434149
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A11402 JMC



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

Sample Number	VCP434149	VCP288123	---	---
Sample Date	31 Oct 2023	19 Nov 2020	---	---
Machine Hours	1145	490	---	---
Oil Hours	500	490	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	307	█ 171	---	---
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CONTAMINATION

Silicon	ppm	█ 2	█ 4	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ 0	█ <1	---	---



WEAR METALS

Iron	ppm	█ 41	█ 113	---	---
Copper	ppm	█ 5	█ 9	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	<1	---	---
Aluminum	ppm	█ 0	0	---	---
Chromium	ppm	█ 0	1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 24	█ 4	---	---
Magnesium	ppm	█ 1	█ <1	---	---
Zinc	ppm	█ 11	█ 12	---	---
Phosphorus	ppm	█ 932	█ 426	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 177	█ 3	---	---

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO8879
Unique No: 10738474
Signed: Sean Felton
Report Date: 14 Nov 2023



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GRAPHS

