



CONSTRUCTION EQUIPMENT

A10849 HSC CONST VOLVO EC160E 314219 - REAR RIGHT FINAL DRIVE



Sample No: VCP412426
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: A10849 HSC CONST



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

Sample Number	VCP412426	VCP378481	VCP348053	---
Sample Date	03 Aug 2023	29 Aug 2022	22 Feb 2022	---
Machine Hours	2235	1193	517	---
Oil Hours	1300	0	517	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	330	254	169	---
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CONTAMINATION

Silicon	ppm	1376	63	7	---
Sodium	ppm	27	2	2	---
Potassium	ppm	55	1	2	---



WEAR METALS

Iron	ppm	2472	274	290	---
Copper	ppm	5	0	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	181	13	2	---
Chromium	ppm	17	4	6	---
Molybdenum	ppm	2	<1	<1	---
Nickel	ppm	10	0	<1	---
Titanium	ppm	20	1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	20	3	6	---
Vanadium	ppm	1	0	<1	---



ADDITIVES

Calcium	ppm	120	36	9	---
Magnesium	ppm	34	2	1	---
Zinc	ppm	22	19	3	---
Phosphorus	ppm	362	1148	296	---
Barium	ppm	0	1	0	---
Boron	ppm	27	183	3	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8879
Unique No: 10601787
Signed: Don Baldrige
Report Date: 12 Aug 2023



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GRAPHS

