



CONSTRUCTION EQUIPMENT

A10608 VOLVO ECR235D 2 10265 - REAR RIGHT FINAL DRIVE



Sample No: VCP408929
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A10608



SAMPLE INFORMATION

Sample Number	VCP408929	VCP339395	---	---
Sample Date	27 Jun 2023	09 Nov 2021	---	---
Machine Hours	7470	6940	---	---
Oil Hours	500	1000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

DYER QUARRY

P.O. BOX 188, 1275 ROCK HOLLOW ROAD
 BIRDSBORO, PA
 US 19508
 Contact: MATT MCCLELLAND
 matt.mcclelland@dyerquarry.com
 T:
 F: (610)582-2304



OIL CONDITION

Visc @ 40°C	cSt	106	█ 155	---	---
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CONTAMINATION

Silicon	ppm	▲ 117	▲ 90	---	---
Sodium	ppm	█ 6	█ 3	---	---
Potassium	ppm	█ 4	█ 3	---	---



WEAR METALS

Iron	ppm	▲ 785	▲ 608	---	---
Copper	ppm	█ 2	█ 1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	▲ 26	▲ 18	---	---
Chromium	ppm	█ 7	█ 5	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	3	3	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 6	█ 4	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 40	█ 20	---	---
Magnesium	ppm	█ 9	█ 6	---	---
Zinc	ppm	█ 17	█ 0	---	---
Phosphorus	ppm	█ 1027	█ 1066	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 205	█ 166	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. There is a high amount of visible silt present in the sample. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: DYEBIR
Unique No: 10548312
Signed: Don Baldrige
Report Date: 10 Jul 2023



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GRAPHS

