



CONSTRUCTION EQUIPMENT

A10608 VOLVO ECR235D 2 10265 - REAR LEFT FINAL DRIVE



Sample No: VCP425969
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A10608



SAMPLE INFORMATION

Sample Number	VCP425969	VCP335655	VCBM001631	VCP257181
Sample Date	27 Jun 2023	09 Nov 2021	01 Apr 2021	26 Mar 2020
Machine Hours	7470	6940	6720	6180
Oil Hours	500	1000	500	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	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	151	153	312	304
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CONTAMINATION

Silicon	ppm	▲ 80	45	▲ 111	▲ 189
Sodium	ppm	■ 3	2	4	7
Potassium	ppm	■ 3	2	3	12



WEAR METALS

Iron	ppm	▲ 706	348	▲ 541	489
Copper	ppm	■ 2	<1	1	1
Lead	ppm	■ 0	<1	<1	2
Tin	ppm	■ 0	0	<1	0
Aluminum	ppm	▲ 14	8	▲ 20	▲ 47
Chromium	ppm	■ 6	3	4	6
Molybdenum	ppm	■ 1	<1	2	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	2	1	2	4
Silver	ppm	0	<1	<1	0
Manganese	ppm	■ 6	3	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 25	100	46	74
Magnesium	ppm	■ 4	4	10	17
Zinc	ppm	■ 10	22	15	20
Phosphorus	ppm	■ 1038	1054	893	808
Barium	ppm	■ 0	0	0	<1
Boron	ppm	■ 204	171	149	123

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. All other component wear rates are normal. 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: 10548313
Signed: Don Baldrige
Report Date: 10 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

