



CONSTRUCTION EQUIPMENT

11097 VOLVO ECR235D 2 10351 - REAR RIGHT FINAL DRIVE



Sample No: VCP440549
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: 11097



SAMPLE INFORMATION

Sample Number	VCP440549	VCP399884	VCP358737	VCP348618
Sample Date	13 Sep 2023	13 Jan 2023	31 May 2022	21 Jan 2022
Machine Hours	8650	7920	7494	7230
Oil Hours	0	0	0	500
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	▲ 127	▲ 128	▲ 130	▲ 134
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CONTAMINATION

Silicon	ppm	■ 33	■ 29	■ 32	■ 20
Sodium	ppm	■ 3	■ 3	■ 2	■ 2
Potassium	ppm	■ <1	■ 0	■ <1	■ <1

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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 301	■ 274	■ 222	■ 121
Copper	ppm	■ <1	■ <1	■ <1	■ <1
Lead	ppm	■ 0	■ <1	■ <1	■ <1
Tin	ppm	■ 0	■ <1	■ <1	■ 0
Aluminum	ppm	■ 5	■ 4	■ 5	■ 3
Chromium	ppm	■ 4	■ 3	■ 3	■ 2
Molybdenum	ppm	■ 17	■ 15	■ 17	■ 16
Nickel	ppm	■ 0	■ <1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	■ 2	■ 2	■ 2	■ 11
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	■ 764	■ 837	■ 720	■ 701
Magnesium	ppm	■ 193	■ 184	■ 191	■ 171
Zinc	ppm	■ 448	■ 443	■ 459	■ 429
Phosphorus	ppm	■ 994	■ 950	■ 953	■ 907
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 174	■ 153	■ 183	■ 166

Depot: JAAPHI
Unique No: 10655630
Signed: Sean Felton
Report Date: 20 Sep 2023



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VOLVO GRAPHS

