



CONSTRUCTION EQUIPMENT

10070 ENVIROVANTAGE VOLVO EC250E 310388 - SWING DRIVE



Sample No: VCP409474
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No: 10070 ENVIROVANTAGE



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SAMPLE INFORMATION

Sample Number	VCP409474	VCP366678	VCP338487	VCP243542
Sample Date	13 Dec 2023	22 Sep 2022	25 Oct 2021	28 Dec 2020
Machine Hours	4901	3979	2991	1850
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	327	315	201	175
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CONTAMINATION

Water	%	▲ 0.373	NEG	NEG	NEG
Silicon	ppm	5	2	8	11
Sodium	ppm	1	0	4	6
Potassium	ppm	6	0	3	2

WEAR METALS

Iron	ppm	126	38	182	281
Copper	ppm	6	2	8	12
Lead	ppm	<1	0	0	1
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	<1	<1	1
Chromium	ppm	3	<1	3	5
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	0	<1	1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	<1	4	6
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	18	21	21	16
Magnesium	ppm	4	0	2	2
Zinc	ppm	14	10	16	15
Phosphorus	ppm	1038	888	476	378
Barium	ppm	9	0	<1	0
Boron	ppm	175	155	40	1

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLV00150
Unique No: 10794863
Signed: Angela Borella
Report Date: 21 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

