



CONSTRUCTION EQUIPMENT

10011 D2 LLC VOLVO EC200E 314204 - SWING DRIVE



Sample No: VCP388519
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No: 10011 D2 LLC



SAMPLE INFORMATION

Sample Number	VCP388519	VCP390019	VCP340146	VCP308771
Sample Date	05 Dec 2023	27 Oct 2022	04 Jan 2022	16 Aug 2021
Machine Hours	3182	1979	965	528
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	313	260	263	169
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	4	7
Sodium	ppm	0	0	0	2
Potassium	ppm	5	0	0	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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	46	63	40	80
Copper	ppm	4	9	6	13
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	29	20	48	1
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	<1	18	29	4
Phosphorus	ppm	1021	803	774	429
Barium	ppm	0	2	0	0
Boron	ppm	189	120	125	<1

Depot: VOLVO0150
Unique No: 10789025
Signed: Don Baldrige
Report Date: 17 Dec 2023



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GRAPHS

