



CONSTRUCTION EQUIPMENT

5140 SEMINOLE COUNTY VOLVO EC350E 314333 - SWING DRIVE



Sample No: VCP440259
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 5140 SEMINOLE COUNTY



SAMPLE INFORMATION

Sample Number	VCP440259	VCP415615	VCP369892	VCP363866
Sample Date	26 Dec 2023	21 Aug 2023	13 Dec 2022	29 Aug 2022
Machine Hours	2607	2047	1042	630
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	311	254	257	136
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	2	9
Sodium	ppm	0	1	<1	<1
Potassium	ppm	0	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	47	232	66	302
Copper	ppm	2	13	5	25
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	<1	3	<1	4
Molybdenum	ppm	2	8	8	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	3	<1	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	111	114	131	5
Magnesium	ppm	22	34	40	<1
Zinc	ppm	52	98	91	24
Phosphorus	ppm	1049	1059	942	285
Barium	ppm	0	0	0	0
Boron	ppm	186	178	167	<1

Depot: VOLVO0093
Unique No: 10808679
Signed: Wes Davis
Report Date: 02 Jan 2024



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GRAPHS

