



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA 19208

VOLVO EC250E 2012 (S/N 310483) - REAR RIGHT FINAL



Sample No: VCP414275
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 19208



SAMPLE INFORMATION

Sample Number	VCP414275	ASC0000398	VCP0006137	VCP0002047
Sample Date	19 Jul 2023	26 Apr 2023	16 Jan 2023	30 Aug 2022
Machine Hours	3633	5502	5016	4523
Oil Hours	0	486	493	521
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	SEVERE

TRIANGLE GRADING AND PAVING INC

1521 Huffman Mill Rd
 BURLINGTON, NC
 US 27216
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OIL CONDITION

Visc @ 40°C	cSt	143	305	242	71.97
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CONTAMINATION

Silicon	ppm	2	191	234	774
Sodium	ppm	2	8	5	22
Potassium	ppm	0	4	11	48



WEAR METALS

Iron	ppm	30	664	990	2748
Copper	ppm	10	<1	1	3
Lead	ppm	135	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	71	90	289
Chromium	ppm	<1	5	8	21
Molybdenum	ppm	7	<1	1	3
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	4	4	16
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	5	7	20
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	185	33	64	52
Magnesium	ppm	4	11	7	20
Zinc	ppm	72	8	30	23
Phosphorus	ppm	1049	1022	1217	2055
Barium	ppm	0	0	1	2
Boron	ppm	111	197	198	192

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other 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.

Depot: TRIBUR
Unique No: 10587591
Signed: Doug Bogart
Report Date: 06 Aug 2023



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GRAPHS

