



CONSTRUCTION EQUIPMENT

225210 CRC VOLVO EC160E 310147 - SWING DRIVE



Sample No: VCP435179
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 225210 CRC



SAMPLE INFORMATION

Sample Number	VCP435179	VCP379856	VCP346234	VCP371482
Sample Date	21 Sep 2023	26 Apr 2023	31 Mar 2023	09 Jan 2023
Machine Hours	12010	9553	0	10533
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	N/A	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	268	86.6	87.9	90.2
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CONTAMINATION

Silicon	ppm	2	9	9	8
Sodium	ppm	2	0	0	<1
Potassium	ppm	2	2	2	<1



WEAR METALS

Iron	ppm	73	264	254	227
Copper	ppm	3	9	9	8
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	1	0	0	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	34	27	27	27
Magnesium	ppm	4	2	2	1
Zinc	ppm	64	290	283	258
Phosphorus	ppm	1098	1003	993	870
Barium	ppm	0	2	2	0
Boron	ppm	232	86	86	62

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.

Depot: VOLVO1271
Unique No: 10674578
Signed: Wes Davis
Report Date: 04 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

