



CONSTRUCTION EQUIPMENT

SPM581125 VOLVO EC380 312007 - SWING DRIVE



Sample No: VCP412729
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM581125



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SAMPLE INFORMATION

Sample Number	VCP412729	VCP356926	---	---
Sample Date	25 Jul 2023	03 Aug 2022	---	---
Machine Hours	2157	1106	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	179	172	---	---
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CONTAMINATION

Silicon	ppm	33	14	---	---
Sodium	ppm	4	0	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	337	311	---	---
Copper	ppm	15	19	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	5	4	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	6	6	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	24	12	---	---
Magnesium	ppm	4	2	---	---
Zinc	ppm	36	26	---	---
Phosphorus	ppm	568	470	---	---
Barium	ppm	<1	5	---	---
Boron	ppm	0	3	---	---

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: VOLVO0093
Unique No: 10579426
Signed: Sean Felton
Report Date: 02 Aug 2023



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GRAPHS

