



CONSTRUCTION EQUIPMENT

607001 VOLVO EC380 315097 - SWING DRIVE



Sample No: VCP431339
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 607001



SAMPLE INFORMATION

Sample Number	VCP431339	VCP405508	---	---
Sample Date	27 Sep 2023	13 May 2023	---	---
Machine Hours	1815	1256	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

BLAZE CONSTRUCTION

5640 ST JEAN ST
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 T: (248)632-2317
 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 177	█ 138	---	---
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CONTAMINATION

Silicon	ppm	█ 42	█ 1	---	---
Sodium	ppm	█ 8	█ 0	---	---
Potassium	ppm	█ 3	█ <1	---	---

WEAR METALS

Iron	ppm	● 3156	█ <1	---	---
Copper	ppm	● 151	█ 0	---	---
Lead	ppm	█ 2	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 10	█ 0	---	---
Chromium	ppm	● 37	█ 0	---	---
Molybdenum	ppm	█ 3	█ 2	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 31	█ 0	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 61	█ 32	---	---
Magnesium	ppm	█ 6	█ 25	---	---
Zinc	ppm	█ 124	█ 40	---	---
Phosphorus	ppm	█ 711	█ 445	---	---
Barium	ppm	█ 12	█ 0	---	---
Boron	ppm	█ <1	█ 5	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: BLADET
Unique No: 10674603
Signed: Jonathan Hester
Report Date: 05 Oct 2023



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GRAPHS

