



# CONSTRUCTION EQUIPMENT

## 717257 VOLVO EC380 315097 - SWING DRIVE



**Sample No:** VCP447783  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 717257



### SAMPLE INFORMATION

Sample Number	VCP447783	VCP398235	VCP431339	VCP405508
Sample Date	04 Jun 2024	25 Oct 2023	27 Sep 2023	13 May 2023
Machine Hours	2866	1943	1815	1256
Oil Hours	1000	0	1000	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	SEVERE	NORMAL

### BLAZE CONSTRUCTION

5640 ST JEAN ST  
 DETROIT, MI  
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### OIL CONDITION

Visc @ 40°C	cSt	146	229	177	138
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	27	8	42	1
Sodium	ppm	3	1	8	0
Potassium	ppm	1	0	3	<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	142	335	3156	<1
Copper	ppm	10	14	151	0
Lead	ppm	0	0	2	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	0	10	0
Chromium	ppm	2	3	37	0
Molybdenum	ppm	2	0	3	2
Nickel	ppm	0	0	2	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	31	0
Vanadium	ppm	<1	0	<1	0



### ADDITIVES

Calcium	ppm	41	94	61	32
Magnesium	ppm	8	0	6	25
Zinc	ppm	31	27	124	40
Phosphorus	ppm	631	572	711	445
Barium	ppm	0	0	12	0
Boron	ppm	16	93	<1	5

**Depot:** BLADET  
**Unique No:** 11087916  
**Signed:** Sean Felton  
**Report Date:** 21 Jun 2024



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## GRAPHS

