



CONSTRUCTION EQUIPMENT

728449 VOLVO EC480 314300 - SWING DRIVE



Sample No: VCP447039
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 728449



SAMPLE INFORMATION

Sample Number	VCP447039	VCP405125	VCP393768	VCP291564
Sample Date	20 Jun 2024	08 May 2023	08 May 2023	15 Dec 2020
Machine Hours	6215	5393	5393	1065
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	SEVERE	NORMAL	NORMAL

FIVE STONES MINE
MORNING STAR FARM RD
CANAL POINT, FL
US 33430
Contact: Service Manager

OIL CONDITION

Visc @ 40°C	cSt	179	316	168	172
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T:
F:

CONTAMINATION

Water	%	0.180	0.318	NEG	NEG
Silicon	ppm	23	394	22	5
Sodium	ppm	2	3	0	0
Potassium	ppm	0	6	<1	<1

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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	1286	2081	423	65
Copper	ppm	8	3	5	6
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	30	4	0
Chromium	ppm	12	28	4	<1
Molybdenum	ppm	2	4	<1	0
Nickel	ppm	0	2	<1	0
Titanium	ppm	<1	2	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	11	16	4	1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	56	476	17	4
Magnesium	ppm	0	8	0	<1
Zinc	ppm	34	6	5	16
Phosphorus	ppm	193	852	252	249
Barium	ppm	<1	0	0	2
Boron	ppm	9	120	4	2

Depot: FIVCAN
Unique No: 11099809
Signed: Angela Borella
Report Date: 28 Jun 2024



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VOLVO GRAPHS

