



CONSTRUCTION EQUIPMENT

W02007667 VOLVO EC380 311872 - SWING DRIVE



Sample No: VCP420891
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007667



SAMPLE INFORMATION

Sample Number	VCP420891	VCP316497	VCP312808	VCP292253
Sample Date	25 Oct 2023	13 Sep 2022	29 Jul 2021	04 Nov 2020
Machine Hours	4153	3157	1953	1102
Oil Hours	1000	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	242	172	155	52.0
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CONTAMINATION

Water	%	---	2.56	---	---
Silicon	ppm	3	7	4	3
Sodium	ppm	<1	2	1	5
Potassium	ppm	<1	<1	0	0

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	31	117	90	88
Copper	ppm	6	10	4	7
Lead	ppm	0	4	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	2	1	1
Molybdenum	ppm	10	15	15	<1
Nickel	ppm	0	2	0	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	2	1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	235	427	414	16
Magnesium	ppm	78	122	116	2
Zinc	ppm	206	367	239	11
Phosphorus	ppm	555	959	1134	2245
Barium	ppm	0	0	0	0
Boron	ppm	82	76	209	286

Depot: VOLVO0002
Unique No: 10714486
Signed: Wes Davis
Report Date: 28 Oct 2023



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GRAPHS

