



# CONSTRUCTION EQUIPMENT

W02007587 VOLVO EC350 314266 - SWING DRIVE



**Sample No:** VCP416084  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02007587



## SAMPLE INFORMATION

Sample Number	<b>VCP416084</b>	VCP386335	VCP361829	VCP338915
Sample Date	<b>29 Sep 2023</b>	08 Nov 2022	02 Jun 2022	28 Dec 2021
Machine Hours	<b>2987</b>	1987	1102	493
Oil Hours	<b>1000</b>	1000	1000	493
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>244</b>	152	169	177
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## CONTAMINATION

Silicon	ppm	<b>2</b>	27	5	10
Sodium	ppm	<b>0</b>	<1	2	2
Potassium	ppm	<b>1</b>	0	0	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	<b>19</b>	107	107	331
Copper	ppm	<b>2</b>	4	8	43
Lead	ppm	<b>0</b>	0	2	<1
Tin	ppm	<b>0</b>	0	1	0
Aluminum	ppm	<b>&lt;1</b>	6	1	2
Chromium	ppm	<b>0</b>	1	2	7
Molybdenum	ppm	<b>10</b>	18	15	<1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	7
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>249</b>	543	611	8
Magnesium	ppm	<b>96</b>	215	170	2
Zinc	ppm	<b>241</b>	387	368	30
Phosphorus	ppm	<b>518</b>	954	951	291
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>71</b>	139	140	2

**Depot:** VOLVO0002  
**Unique No:** 10697296  
**Signed:** Don Baldrige  
**Report Date:** 18 Oct 2023



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## GRAPHS

