



# CONSTRUCTION EQUIPMENT

W02007841 VOLVO EC400 313052 - SWING DRIVE



**Sample No:** VCP426359  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02007841



## SAMPLE INFORMATION

Sample Number	<b>VCP426359</b>	VCP361631	VCP319128	VCP279629
Sample Date	<b>15 Dec 2023</b>	27 Apr 2022	05 Nov 2021	15 Jul 2020
Machine Hours	<b>6051</b>	3982	3136	1018
Oil Hours	<b>1000</b>	1000	1000	500
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>148</b>	159	171	200
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	3	4	4
Sodium	ppm	<b>&lt;1</b>	<1	0	0
Potassium	ppm	<b>0</b>	0	<1	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	<b>80</b>	61	80	64
Copper	ppm	<b>2</b>	1	2	3
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	0	2
Aluminum	ppm	<b>1</b>	<1	<1	0
Chromium	ppm	<b>1</b>	<1	1	1
Molybdenum	ppm	<b>17</b>	18	15	8
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	<1	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>532</b>	597	406	291
Magnesium	ppm	<b>197</b>	146	121	72
Zinc	ppm	<b>376</b>	331	247	150
Phosphorus	ppm	<b>1073</b>	965	930	774
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>157</b>	176	166	118

**Depot:** VOLVO0002  
**Unique No:** 10804166  
**Signed:** Jonathan Hester  
**Report Date:** 27 Dec 2023

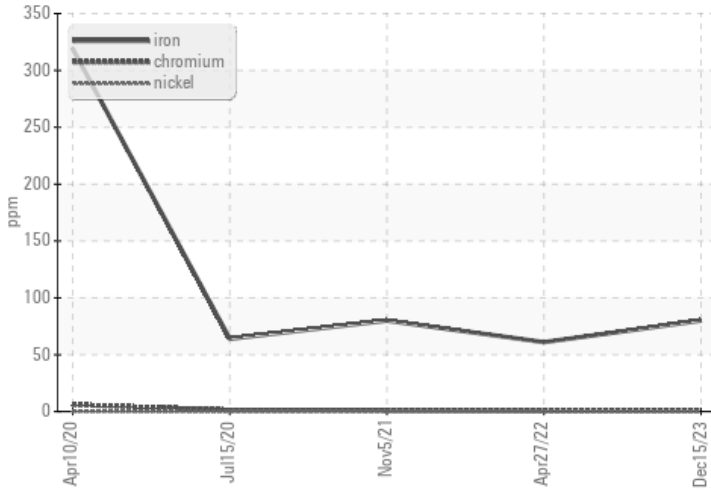


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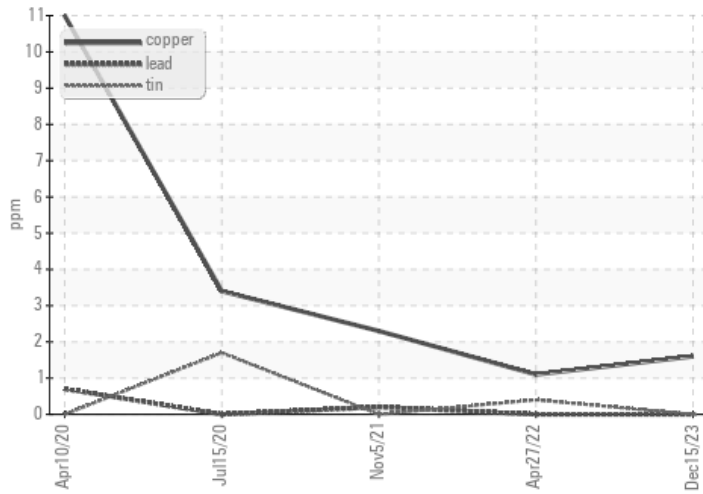


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

