



# CONSTRUCTION EQUIPMENT

## 9848 VOLVO ECR145 315091 - SWING DRIVE



**Sample No:** VCP437455  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 9848



### SAMPLE INFORMATION

Sample Number	<b>VCP437455</b>	VCP407498	VCP356943	VCP342303
Sample Date	<b>10 Jan 2024</b>	10 Apr 2023	24 Mar 2022	25 Oct 2021
Machine Hours	<b>2869</b>	1864	973	481
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**JON M HALL COMPANY**  
 1920 BOOTHE CIRCLE SUITE 110  
 LONGWOOD, FL  
 US 32750  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>295</b>	281	277	169
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T: (407)215-0410  
 F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	7	5	18
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>0</b>	0	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	<b>40</b>	63	53	95
Copper	ppm	<b>5</b>	8	8	29
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	0	<1	2
Chromium	ppm	<b>&lt;1</b>	0	<1	1
Molybdenum	ppm	<b>1</b>	1	1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	<1	<1	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>67</b>	30	30	13
Magnesium	ppm	<b>16</b>	12	12	3
Zinc	ppm	<b>47</b>	23	27	30
Phosphorus	ppm	<b>988</b>	811	865	307
Barium	ppm	<b>0</b>	0	0	3
Boron	ppm	<b>169</b>	134	131	9

**Depot:** JONLON  
**Unique No:** 10832908  
**Signed:** Wes Davis  
**Report Date:** 17 Jan 2024



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## GRAPHS

