



# CONSTRUCTION EQUIPMENT

5809HO VOLVO ECR355EL 310191 - SWING DRIVE



**Sample No:** VCP452210  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 5809HO



## SAMPLE INFORMATION

Sample Number	<b>VCP452210</b>	VCP320863	VCP255010	---
Sample Date	<b>09 Feb 2024</b>	14 Sep 2021	16 Jul 2020	---
Machine Hours	<b>3809</b>	1035	496	---
Oil Hours	<b>2000</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	N/A	---
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	---

**PENNSYLVANIA SUPPLY**  
 833 PAXTON STREET  
 HARRISBURG, PA  
 US 17104  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>152</b>	251	183	---
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## CONTAMINATION

Water	%	<b>0.120</b>	NEG	NEG	---
Silicon	ppm	<b>5</b>	2	9	---
Sodium	ppm	<b>0</b>	0	0	---
Potassium	ppm	<b>2</b>	0	0	---

## Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Free water present. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>370</b>	130	492	---
Copper	ppm	<b>9</b>	5	18	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	<1	0	---
Chromium	ppm	<b>4</b>	2	7	---
Molybdenum	ppm	<b>1</b>	<1	0	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	<1	<1	---
Manganese	ppm	<b>3</b>	2	5	---
Vanadium	ppm	<b>0</b>	0	<1	---



## ADDITIVES

Calcium	ppm	<b>42</b>	55	6	---
Magnesium	ppm	<b>28</b>	15	4	---
Zinc	ppm	<b>29</b>	34	17	---
Phosphorus	ppm	<b>904</b>	748	414	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>27</b>	184	2	---

**Depot:** PENHAR  
**Unique No:** 10885427  
**Signed:** Don Baldrige  
**Report Date:** 20 Feb 2024



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## GRAPHS

