



# CONSTRUCTION EQUIPMENT

## VOLVO EC380EL 311791 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP426848  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:**



**218 - ASCENDUM MACHINERY INC - N. CHARLESTON**  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcham@ascendummachinery.com  
 T:  
 F: (843)414-1129



### SAMPLE INFORMATION

Sample Number	<b>VCP426848</b>	VCP375993	---	---
Sample Date	<b>27 Jun 2023</b>	24 Jun 2022	---	---
Machine Hours	<b>6647</b>	4662	---	---
Oil Hours	<b>2000</b>	0	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>SEVERE</b>	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>89.9</b>	50.1	---	---
-------------	-----	-------------	------	-----	-----



### CONTAMINATION

Water	%	<b>0.235</b>	---	---	---
Silicon	ppm	<b>2364</b>	<1	---	---
Sodium	ppm	<b>5</b>	<1	---	---
Potassium	ppm	<b>25</b>	0	---	---



### WEAR METALS

Iron	ppm	<b>7001</b>	2	---	---
Copper	ppm	<b>14</b>	0	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>2</b>	0	---	---
Aluminum	ppm	<b>235</b>	<1	---	---
Chromium	ppm	<b>76</b>	0	---	---
Molybdenum	ppm	<b>13</b>	4	---	---
Nickel	ppm	<b>6</b>	0	---	---
Titanium	ppm	<b>28</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>44</b>	0	---	---
Vanadium	ppm	<b>1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>2649</b>	60	---	---
Magnesium	ppm	<b>61</b>	19	---	---
Zinc	ppm	<b>30</b>	52	---	---
Phosphorus	ppm	<b>1947</b>	2343	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>222</b>	277	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO3387  
**Unique No:** 10538575  
**Signed:** Don Baldrige  
**Report Date:** 04 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

