

# **CONSTRUCTION EQUIPMENT** VOLVO EC380EL 311791 - REAR RIGHT FINAL DRIVE



# Sample No: VCP426848

Oil Type:
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## VOLVO SUPER GEAR OIL 75W-80-GO102

Job No:

Phosphorus

Barium

Boron

ppm

ppm

ppm

	E INFORMATION			_	
Sample Number		VCP426848	VCP375993		
Sample Date		27 Jun 2023	24 Jun 2022		
Machine Hours		6647	4662		
Oil Hours		2000	0		
Oil Changed		Changed	N/A		
Sample Status		SEVERE	NORMAL		
OIL CON	DITION				
Visc @ 40°C	cSt	89.9	50.1		
VOLVO					
	MINATION				
Water	%	<b>0.235</b>			
Silicon	ppm	<b>e</b> 2364	□ <1		
Sodium	ppm	5	□ <1		
Potassium	ppm	25	0		
WEAR N	METALS				
Iron	ppm	001	2		
Copper	ppm	<b>1</b> 4	0		
Lead	ppm	<b></b> <1	0		
Tin	ppm	2	0		
Aluminum	ppm	<b>A</b> 235	< 1		
Chromium	ppm	976	0		
Molybdenum	ppm	<b>1</b> 3	4		
Nickel	ppm	6	0		
Titanium	ppm	28	0		
Silver	ppm	0	<1		
Manganese	ppm	<b>44</b>	0		
Vanadium	ppm	1	0		
	VES				
Calcium	ppm	2649	60		
Magnesium	ppm	61	19		
Zinc	ppm	30	52		
	Phili	_ 10.17	J2		

2343

277

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#### 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

## 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 aluminasilicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

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

1947

222

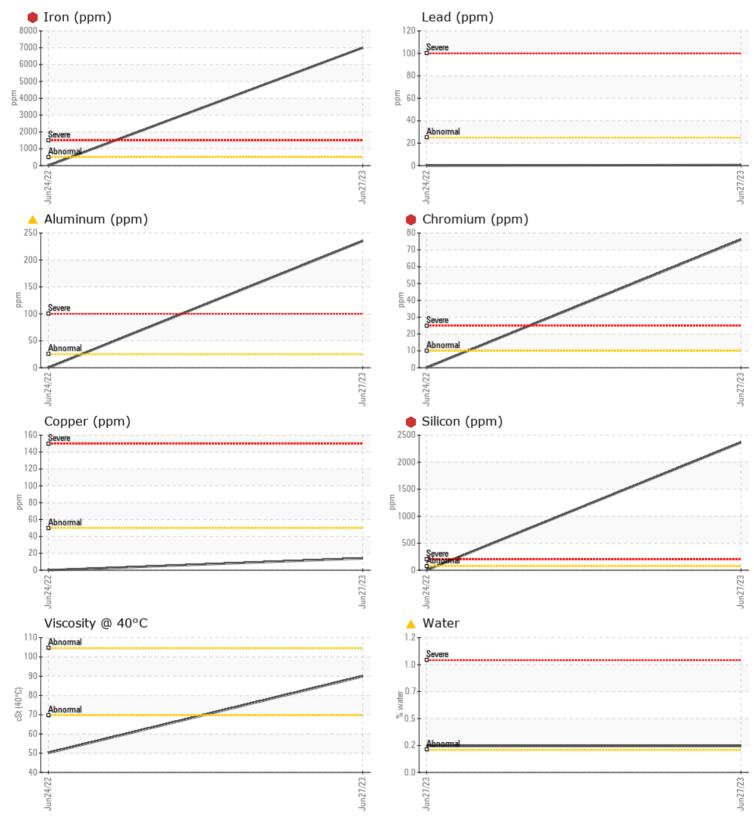
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO3387 [WUSCAR] 05888092 (Generated: 07/04/2023 15:28:38) Rev: 1

Contact/Location: MATT MITCHAM - VOLVO3387