CONSTRUCTION EQUIPMENT HORST EXC VOLVO EC460CL 110503 - FRONT LEFT FINAL DRIVE

Sample No:	VCP137950		
Oil Type:	VOLVO PREMI		

VOLV

Oil Type:	VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:	HORST EXC

SAMPLE IN	FORMATION				
Sample Number	-	VCP137950			
Sample Date		06 Apr 2016			
Machine Hours		4441			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		SEVERE			
Visc @ 40°C	cSt	140.1			
CONTAMIN	IATION				
Silicon	ppm	272			
Sodium	ppm	9			
Potassium	ppm	<b>18</b>			
VOLVO					
WEAR ME	TALS				
Iron	ppm	<b>A</b> 1035			
Copper	ppm	<mark>/</mark> 98			
Lead	ppm	5			
Tin	ppm	0			
Aluminum	ppm	<mark>▲</mark> 52			
Chromium	ppm	<mark>/</mark> 13			
Molybdenum	ppm	0			
Nickel	ppm	4			
Titanium	ppm	4			
Silver	ppm	0			
Manganese	ppm	∎10			
Vanadium	ppm	0			
VOLVO					
	5				
<b></b>		- · · ·			

	E2			
Calcium	ppm	243	 	
Magnesium	ppm	8	 	
Zinc	ppm	126	 	
Phosphorus	ppm	855	 	
Barium	ppm	2	 	
Boron	ppm	<b>107</b>	 	



## HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

## 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 recommend an early resample to monitor this condition.High concentration of visible metal present. Gear wear is indicated. 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:	INSEPH
Unique No:	7358276
Signed:	Doug Bogart
Report Date:	08 Apr 2016

## **CONSTRUCTION EQUIPMENT**



VOLVO

