



CONSTRUCTION EQUIPMENT

VOLVO EC140 3159 - REAR RIGHT FINAL DRIVE



Sample No: VCP53463

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP53463	---	---	---
Sample Date	12 Sep 2006	---	---	---
Machine Hours	6633	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

STRONGCO EQUIPMENT--CALGARY

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OIL CONDITION

Visc @ 40°C	cSt	103	---	---	---
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CONTAMINATION

Silicon	ppm	434	---	---	---
Sodium	ppm	9	---	---	---
Potassium	ppm	20	---	---	---



WEAR METALS

Iron	ppm	847	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	67	---	---	---
Chromium	ppm	14	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	121	---	---	---
Magnesium	ppm	29	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	1154	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	266	---	---	---

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. Please specify the brand, type, and viscosity of the oil on your next sample. The iron level is marginal. The chromium level is marginal. Gear wear is indicated. The aluminum level is abnormal. High concentration of dirt 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: VOLVO3909

Unique No: 2306687

Signed:

Report Date: 15 Sep 2006



CONSTRUCTION EQUIPMENT



GRAPHS

