



# CONSTRUCTION EQUIPMENT

## VOLVO EC140 3159 - REAR LEFT FINAL DRIVE



**Sample No:** VCP53468

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP53468    | --- | --- | --- |
| Sample Date   | 12 Sep 2006 | --- | --- | --- |
| Machine Hours | 6633        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

**STRONGCO EQUIPMENT--CALGARY**

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### OIL CONDITION

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 102 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



### CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Silicon   | ppm | ▲ 188 | --- | --- | --- |
| Sodium    | ppm | ■ 2   | --- | --- | --- |
| Potassium | ppm | ■ 8   | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | ▲ 874 | --- | --- | --- |
| Copper     | ppm | ■ 3   | --- | --- | --- |
| Lead       | ppm | ■ <1  | --- | --- | --- |
| Tin        | ppm | ■ <1  | --- | --- | --- |
| Aluminum   | ppm | ■ 24  | --- | --- | --- |
| Chromium   | ppm | ▲ 10  | --- | --- | --- |
| Molybdenum | ppm | 2     | --- | --- | --- |
| Nickel     | ppm | 2     | --- | --- | --- |
| Titanium   | ppm | 1     | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | 4     | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



### ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 55   | --- | --- | --- |
| Magnesium  | ppm | 11   | --- | --- | --- |
| Zinc       | ppm | 27   | --- | --- | --- |
| Phosphorus | ppm | 1197 | --- | --- | --- |
| Barium     | ppm | 1    | --- | --- | --- |
| Boron      | ppm | 243  | --- | --- | --- |

### 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. Resample at the next service interval to monitor. 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. There is a moderate concentration of dirt present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO3909

**Unique No:** 2306686

**Signed:**

**Report Date:** 15 Sep 2006



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## GRAPHS

