

## Volvo Enthusiasts eXposing Egregious Design

### Projected Failure Levels concerning engine types B5234T & B5244T:

- At 70,000 miles, i.e. at the end of Warranty Mileage for High Cost ERC:

* Projected Unscreened Claims:.....	60 %
* Projected Failure Level:.....	60 %

- At 100,000 miles, i.e. at the end of Useful Life Mileage:

* Projected Unscreened Claims:.....	94 %
* Projected Failure Level:.....	94 %

Method:..... Weibull Statistics

### Estimated Date of 4% Failure Level concerning engine types B5234T & B5244T:

Based on the current information, the 4% actual failure level obviously already has occurred.

**Note the 94% failure rate within the first 100,000 miles. It is also interesting to see the term "end of Useful Life Mileage"**

Engine Family: 1VVXT2.43L5T (LDT)

Description: B5254T LDT - 2.4L, 5 cy

with Sequential Fuel Injection (SFI), Three Way Catalytic Converter (TWC) with upstream and downstream Heated Oxygen Sensor (HO<sub>2</sub>S), Turbo Charger (TC), Charge Air Cooler (CAC), Bosch Motronic ME 7.0 Fuel and Ignition Systems, Variable Valve Timing and OBDII.

Model Year: 2001

Models Involved: V70 AWD XC

Screened Warranty Data - as of the end of the Second Quarter 2003.

Total Sales: 2199

Total Unscreened Claims: 96

Number of Failures Identified: 96

Number of Components Tested: 96

Failure Rate of Components Tested: 100.0%

Failure Rate Applied to Total Claims: 96 components (100% x 96)

Percentage of Vehicles Sold: 4.37% (96/2199 \* 100%)

### Projected Failure Levels concerning engine type B5254T LDT:

- At 70,000 miles, i.e. at the end of Warranty Mileage for High Cost ERC:

* Projected Unscreened Claims:.....	55 %
* Projected Failure Level:.....	55 %

- At 100,000 miles, i.e. at the end of Useful Life Mileage:

* Projected Unscreened Claims:.....	94 %
* Projected Failure Level:.....	94 %

Method:..... Weibull Statistics

### Estimated Date of 4% Failure Level concerning engine type B5254T LDT:

Based on the current information, the 4% actual failure level obviously already has occurred.

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