

**Abbott, John**

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**From:** Lidgett, Diana (D.L.) [dlidgett@volvocars.com]  
**Sent:** Thursday, March 04, 2004 11:51 AM  
**To:** Abbott, John  
**Subject:** Test Protocol Proposal



FLOWCHART FOR  
TESTING 850 FUEL..

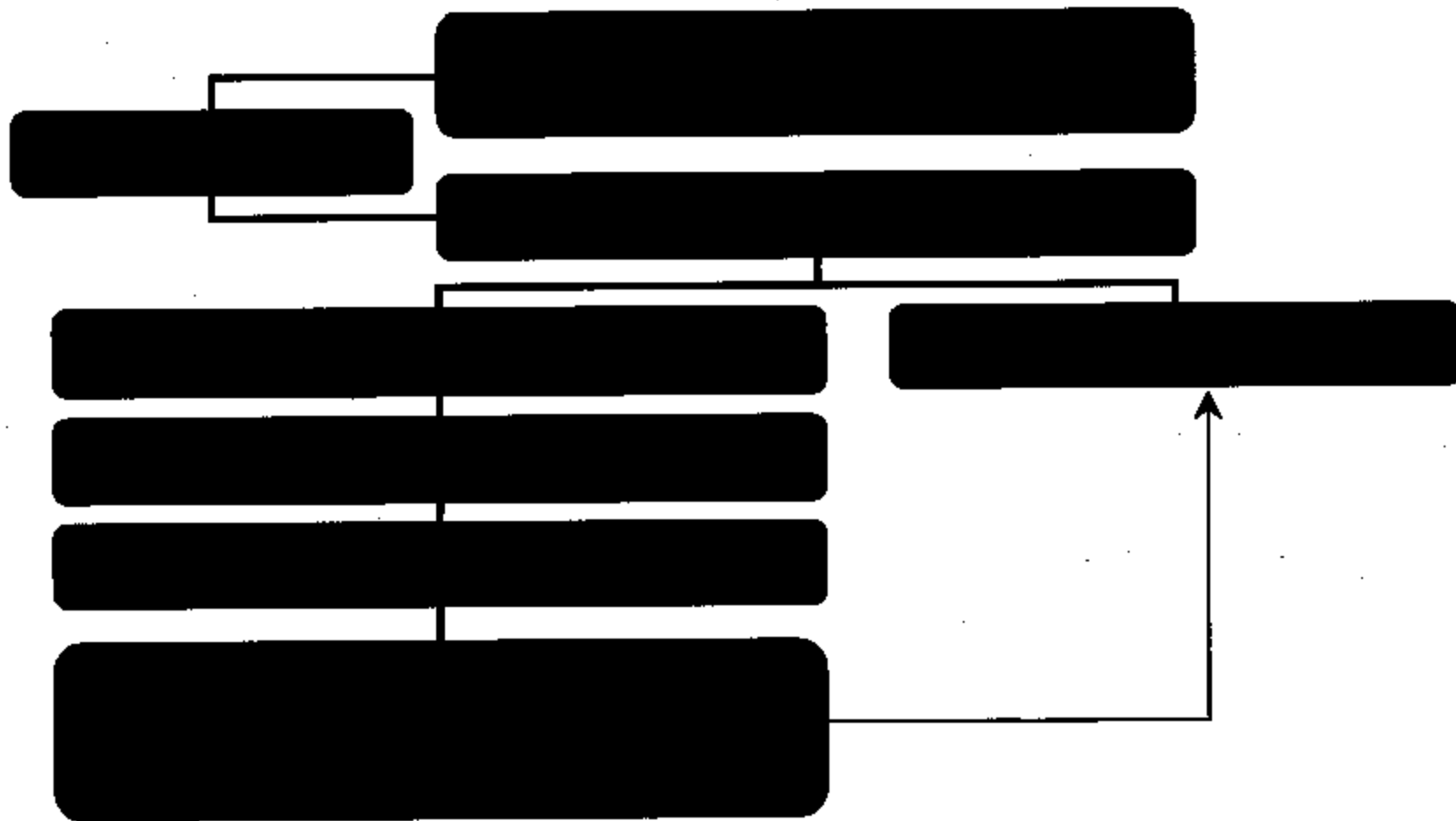
Test protocol proposal attached.

Best regards,

Diana Lidgett  
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# FLOWCHART FOR TESTING 850 FUEL TANKS

PROPOSAL



# PROPOSAL

## KNOWN DIFFERENCES BETWEEN LEAKTESTING A FUEL TANK MOUNTED IN A VEHICLE BODY AND A DISMOUNTED FUEL TANK

- THE FASTENING OF THE FUEL TANK WITH TANKSTRAPS
- THE MOUNTING OF ACCESSORIES ON THE TANK SUCH AS HEATSHIELD
- THE SOAK EFFECT OF FUEL ON THE TANK MATERIAL
- THE HANDLING OF THE TANK AND TRANSPORTATION
- THE MOVEMENT OF THE TANK SHELL WHEN SUBJECTED TO DIFFERENT PRESSURES

**VOLVO**

# **PROPOSAL**

## **SOAKING PROCEDURE FOR FUEL TANKS IN ORDER TO ACHIEVE SWELLING**

- **MOUNT THE HEATSHIELD, FUELPUMP AND LEVEL GAUGE ON THE TANK**
- **PLACE IT IN A VENTED AREA IN AN UPRIGHT POSITION**
- **FILL THE TANK WITH 15 LITRES OF FUEL CONTAINING 10% ETHANOL, E10**
- **LEAVE THE TANK TO REST IN ROOM TEMPERATURE FOR 2 WEEKS**
- **MAKE SURE THAT THE TANK IS VENTED DURING SOAK TO AVOID PRESSURE BUILD UP**

### **FUEL SPECIFICATION**

**E10 IS FUEL C CONTAINING 10% ETHANOL.**

**FUEL C IS 50% ISO-OCTAN AND 50% TOLUEN.**

**VOLVO**