

**Attendees:**

Kenny Miller – DANA  
Don Lind - TMC  
Dale Smith - PARC  
Galen Greene - Lubrizol  
Derek Ottley - DANA  
Gene Lawrence - DANA  
Kenny Skiles - DANA  
Sam Higuchi – Afton Chemical

**Location & Time:**

2-17-2009  
DANA Manufacturing Facility – Lugoff, SC  
8:00am – 12:00pm

**Summary of Meeting Discussion:**

- The original L-42 order consisted of 778 total axles.
  - Afton: 208
  - Lubrizol: 300
  - SwRI: 270
  - PARC: 0
  
- The gearset and axle fabrication began at DANA's Lugoff facility on 02-16-2009.
  - Approximately 100 – 120 axles will be fabricated per day. The build will endure 8 – 10 days.
  - To date, there have been no complications, and no axles have been scrapped.
  - The first axle shipment will leave for Afton Chemical on Thursday 02-26-2009.
  
- Tour of L-42 build and Lugoff facility.
  
- DANA declared there are 107 extra gearsets available; making a new total of 885 axles.
  - Proposal made to have labs purchase the extra gearsets.
  - SwRI declined to purchase additional gearsets.
  - Lubrizol and Afton will evenly split the 107 extra axles.
  
- The extra gearsets will be fabricated along with the original 778 gearsets, however, new axle tubes must be purchased to complete the axle assemblies. The timing for the additional axle tubes to arrive to DANA's Lugoff facility is approximately 2.5 – 3 weeks from meeting date (02-17-2009). Due to this delivery lag, there will be a downtime before the additional axle assemblies can be fabricated. In an effort to avoid manufacturing complications, the tube press will be left idle until the additional axle tubes arrive in Lugoff.

**Side Notes:**

- D. Ottley is maintaining, and will provide, a spreadsheet with all pertinent axle data.
- Osyris oil is still being used as a rust preventative.
- Pinion bearings will be lightly greased.
- D. Ottley has provided L42 build process sheet. (attached)

- D. Ottley approved the spring perch tooling set-up (Tube Press) prior to production start. Sampling every tenth axle for angle trueness.
- S. Higuchi requested to review Sypris drawing "044TA100" during next ASTM meeting. This drawing is relevant to the spring perch perpendicularity. There is no perpendicularity call-out on the drawing.