



Purchase order

Subject: Rolls-Royce Oy Ab inspection of a pair of gears

I hereby authorize Spiral Bevel Gear to perform an inspection described by Dr. Stepan Lunin in email 6.5.2009.

1. CMM mapping of the pinion
2. CMM mapping of the gear
3. Reverse engineering of the Klingelnberg tooth geometry for the pinion
4. Reverse engineering of the Klingelnberg tooth geometry for the gear
5. Simulation of the tooth contact at nominal mounting distance
6. Simulation of the immediate tooth contact at nominal mounting distance
7. Simulation of the immediate/combined tooth contacts at deviated mounting distances: 10 positions
8. Animated tooth contact
9. Validation of the current design
9. Recommendations for improvement

Price: \$20,000.00

Delivery time: 4 weeks

Yours truly,
Rolls-Royce Oy Ab

A handwritten signature in blue ink, appearing to read "Timo Rauti".

Timo Rauti
Technical Manager, Product Management
Azimuth Thrusters