

Date: April 20, 2004

Subj: **SR Vacuum Chamber Bakeout System
Spare bakeout pumps**

Spare status: **Stored in Bldg 369**

Further details:

- Model no: Goulds 3196STX
- Type: 1" X 1.5" X 4.25" (ANSI B73.1M)
- Pumping temperature: 75-350°F (maximum rating)
- Operating flow range: 20-40 gpm (80-90 ft TDH)
- Lubricating oil: Synfilm Royal Purple ISO Grade 68 (see separate spares line item)
- Shaft alignment: Driver shaft **.002" high**

Basis for alignment specification: normal pumpage temperature varies from 78°F (25.5°C) to 271°F (133°C). The specification is based on the average of these two temperatures (175°F or 79°C).



Fig. 2: Spare pumps in bldg 369

- [Vendor documents on following pages:](#)
 - Review of original P.O. information (3 sheets)
 - Pump curve
 - Pump cross-section (Goulds dwg B02991A3)
 - Pump dimensions (Goulds dwg A04189A)
 - Pages 15, 21, & 28 from vendor manual with information concerning vertical alignment, impeller clearances, and lubricating requirements