

TORSIONAL VIBRATION—A SEGMENT OF API 684

by

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James H. Hudson is Principal Engineer for GE Oil & Gas, in Oshkosh, Wisconsin. He began his career with Allis Chalmers Corporation in 1965 and served in many capacities. In 1985, A-C Compressor Corporation purchased the Compressor Division from Allis Chalmers, and he became Manager of Engineering.

Mr. Hudson has a BSME from Newark College of Engineering (1965). He has been a Task Force member on the Fourth through Seventh Editions of API 617 Specification for Centrifugal Compressors, API Task Force on Quality Improvement, API Task Force 684 Rotordynamics First Edition, and API 671 for Couplings. He is a member of API 684 Second Edition and Standard Paragraph Task Forces. He was a member of the Texas A&M Advisory Committee during five symposia and has published papers on torsional vibration and lateral vibration. Mr. Hudson is a registered Professional Engineer in the State of Wisconsin and holds four United States patents.



Troy D. Feese is a Senior Project Engineer at Engineering Dynamics Incorporated (EDI), in San Antonio, Texas. He has more than 15 years of experience performing torsional vibration, lateral critical speed, and stability analyses, as well as evaluating structures using finite element methods.

Mr. Feese also conducts field studies of rotating and reciprocating equipment. He is a lecturer at the EDI seminar and has written technical articles and papers on torsional vibration, lateral critical speeds, and balancing. He contributed to API Standard 684 and is assisting the Hydraulic Institute Vibration Committee with an updated pump standard.

Mr. Feese received a BSME degree (1990) from The University of Texas at Austin and has an MSME degree from UTSA. He is a member of ASME, Vibration Institute, and a registered Professional Engineer in the State of Texas.

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