

DISCUSSION GROUP T12 RECIPROCATING COMPRESSORS

Bruce Bayless works for Valero Energy Corporation in San Antonio, Texas. He has been a member of the Turbomachinery Advisory Committee since 2004.



Donald R. (Don) Smith currently serves as President of Engineering Dynamics Inc. (EDI), in San Antonio, Texas. For the past 40 years, he has been active in the field engineering services, specializing in the analysis of vibration, pulsation, and noise problems with rotating and reciprocating equipment. He has authored and presented several technical papers. Prior to joining EDI, he worked at Southwest Research Institute for 15 years as a Senior Research Scientist, where he was also involved in troubleshooting and failure analysis of piping and machinery. Mr. Smith received his B.S. degree (Physics, 1969) from Trinity University. He is a member of ASME and the Vibration Institute.



Bruce McCain graduated from Texas Tech University in 1987 with a BS in Mechanical Engineering. He provides technical support around the world on both rotating and stationary equipment. Bruce consults on many aspects of reciprocating compressor problems including foundation strengthening and grouting, bolting and torquing, installation, maintenance, vendor surveillance, pulsation and vibration, and forensics. He has contributed to various trade publications and industry conferences. Bruce is a Registered Professional Engineer (Texas) and a Certified API 510 Pressure Vessel Inspector. Bruce has worked for Amoco, Rohm and Haas, Altura, and Oxy Oil and Gas Corporation. His current position with Oxy is Rotating Equipment Engineering Lead.

Kenneth Atkins is a Senior Project Engineer with Engineering Dynamics, Incorporated and has experience in performing lateral and torsional critical speed analyses, rotor stability analyses, and the evaluation of structural vibration problems using finite element methods. He has been actively involved in field troubleshooting of a wide variety of rotordynamics, structural, and piping vibration problems. Mr. Atkins earned his B.S. degree in Engineering Science from Trinity University in 1978. He is a member of ASME and is a Registered Professional Engineer in the State of Texas.
