



Pipeline Pigging Technology

KJ Lindholm-Leary



Pipeline Pigging Technology:

Pipeline Pigging Technology J. N. H. Tiratsoo, John Tiratsoo, 1992 This practical reference book attempts to answer many of the questions and problems associated with pigging and pipeline inspection technology applied to oil gas and products pipelines both on and offshore The book discusses why when and how to pig a line intelligent pigs interpreting data economics environmental considerations and risk assessment and rehabilitation and repair Among the new features of this edition are on line inspection techniques US regulations inspection of the Trans Alaska pipeline gel pig technology interpreting intelligent pig results on line repair internal cleaning and coating and when to renew a pipeline

Pipeline Pigging and Integrity Technology John Tiratsoo, 2003 This latest edition of the standard reference to pipeline pigging contains 41 new technical contributions from an international panel of expert authors The book provides a wide ranging overview of the best in pigging and integrity monitoring technology and thus makes essential reading for all involved in these increasingly important industries The contents are divided into six sections dealing with utility pigging corrosion issues intelligent pigging case studies and integrity management and prefaced by a section with a number of important but general papers The role of pigging in maintaining and expanding the pipeline infrastructure has become more critical due to projected increases in oil and gas consumption and thus transportation capacity At the same time the aging of networks in the US and elsewhere to 60 years 30 40 years beyond design life by some estimates and the installation of new lines over greater distances and more hostile environments have made the technical requirements and demand for pigging technology ever more acute The science of pigging is developing to provide the technology required to keep these pipelines in the best possible condition and to ensure their continuing integrity There are few problems that the pigging industry cannot solve nowadays and this book includes a number of case histories showing what can be achieved in practice But pigging is not just about high level inspection rather the basics of pipeline design and of utility pigging to accommodate the most mundane tasks are in the long term probably even more important The book provides a wide ranging overview of the best in pigging and integrity monitoring technology and thus makes essential reading for all involved in these increasingly important industries

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Pipeline Pigging and Integrity Technology, Fourth Edition John Tiratsoo, 2013-02-01 Since publication of the first edition of *Pipeline Pigging and Integrity Technology* 25 years ago there have been massive advances the pigging and inspection industry superb high technology solutions have been developed using some of the most advanced and reliable technology paralleling the aerospace industry and feature assessments down to millimetric sizes are almost the norm Inspection data interpretation has also developed to the stage where it is no longer a black art survey results can be examined and analysed on a client's own PC or laptop the thought of which was almost unheard of only a decade ago But still some basic questions remain unanswered probably the most basic of all being how clean is my pipeline and how best to

design a pig launcher and receiver This book as with previous editions provides an overview of some of the latest thinking and achievements in the area of pigging technology and integrity management Its content is 41 papers from the series of conferences entitled Pipeline Pigging Integrity Management now known as PPIM that the publishers have organized in Houston and elsewhere between 2007 and 2012 chosen to represent a wide range of issues concerning the pipeline industry and maintenance of its integrity Printed in full color throughout *Pipeline Pigging and Integrity Technology* J. N. H. Tiratsoo,2013 Pipeline Pigging Technology Pipes & Pipelines International,1984 *Industrial Pigging Technology* Gerhard Hiltcher,Wolfgang Mühlthaler,Jörg Smits,2006-12-13 Pigs are snug fitting plugs which are able to perform various maintenance tasks such as cleaning or removing deposits or blockages in pipe and pipeline systems from the inside A gaseous or liquid propellant is used to push the pig through the system This strategy avoids rinsing loss of valuable product provides reduction of adverse environmental impacts and gains high efficiency for less investment The book describes clearly and methodically the important basic equipment required for the planning and design of pigging units Many practical examples are shown for the operation of industrial pigging units drawn from the authors longtime experience in this technology In this form and scope the book is an unrivaled presentation of this technology Engineers and chemists who plan construct operate and maintain production plants in the chemical food cosmetics pharmaceutical and petrochemical industry will find an invaluable source of advice and reference for pigging units **Pipeline Pigging & Integrity Technology** J. N. H. Tiratsoo,2013 Pipeline Pigging and Inspection Technology John Tiratsoo,1992 Full text engineering e book

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course covers aspects like HSE Process Mechanical Electrical and Instrumentation Control that will enable you to apply for any position in the Oil and Gas Industry **Industrial Pigging Technology** Gerhard Hiltcher, Wolfgang Mühlthaler, Jörg Smits, 2003 I FUNDAMENTAL PRINCIPLES OF PIGGING TECHNOLOGY 1 Introduction in Pigging Technology 2 Pigging Units and Pigging Systems II COMPONENTS 3 Pigs 4 Valves 5 Pipework 6 Additional Equipment 7 Propellants 8 Control System III APPLICATIONS 9 Decision Criteria for Pigging 10 Cleaning Degree after Pigging 11 Pig Wear 12 Medium Specific Characteristics 13 Checks Before Start Up 14 Experiences with Pigging Units 15 Applications in the Chemical Industry 16 Pigging Units for Sterile Technology 17 Pipeline Pigging 18 Pigging of Pneumatic Conveying Lines for Bulk Materials IV LAW AND REGULATION 19 Legal Requirements 20 Safety and Occupational Health V APPENDIX References List of Chemical Resistances Description of Material Codes Properties of Solvents Buyer's Guide Suppliers Names and Addresses Index

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