

1. Record Nr.	UNINA9910964957003321
Autore	Gilbert R. I. <1950->
Titolo	Time-dependent behaviour of concrete structures // Raymond Ian Gilbert and Gianluca Ranzi
Pubbl/distr/stampa	London ; ; New York, : Spon, 2010
ISBN	1-04-018958-X 0-429-07720-3 1-4822-8871-0 1-282-91911-3 9786612919114 0-203-87939-2
Edizione	[First edition.]
Descrizione fisica	1 online resource (447 p.)
Altri autori (Persone)	RanziGianluca <1972->
Disciplina	624.1/834
Soggetti	Concrete - Deterioration Concrete - Service life Concrete construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Book Cover; Title; Copyright; Contents; Preface; Acknowledgements; Notation and sign convention; 1 Time-dependent deformation; 2 Material properties; 3 Design for serviceability: Deflection and crack control; 4 Uncracked sections: Axial loading; 5 Uncracked sections: Axial force and uniaxial bending; 6 Uncracked sections: Axial force and biaxial bending; 7 Cracked sections; 8 Members and structures; 9 Stiffness method and finite-element modelling; Appendix A: Analytical formulations: Euler-Bernoulli beam model; Index
Sommario/riassunto	"Serviceability failures of concrete structures involving excessive cracking or deflection are relatively common, even in structures that comply with code requirements. This is often as a result of a failure to adequately account for the time-dependent deformations of concrete in the design of the structure. The serviceability provisions embodied in codes of practice are relatively crude and, in some situations, unreliable and do not adequately model the in-service behaviour of structures. In particular, they fail to adequately account for the effects of creep and

shrinkage of the concrete. Design for serviceability is complicated by the non-linear and inelastic behaviour of concrete at service loads. Providing detailed information, this book helps engineers to rationally predict the time-varying deformation of concrete structures under typical in-service conditions. It gives analytical methods to help anticipate time-dependent cracking, the gradual change in tension stiffening with time, creep induced deformations and the load independent strains caused by shrinkage and temperature changes. The calculation procedures are illustrated with many worked examples. A vital guide for practising engineers and advanced students of structural engineering on the design of concrete structures for serviceability and provides a penetrating insight into the time-dependent behaviour of reinforced and prestressed concrete structures."--Provided by publisher.

2. Record Nr.	UNINA9910966371703321
Autore	Draffin Nigel
Titolo	An introduction to bunkering / / by Nigel Draffin
Pubbl/distr/stampa	England, : Petrosport, 2008
ISBN	1-908663-04-9 1-299-19060-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (119 p.)
Soggetti	Oil transfer operations Petroleum - Transportation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover""; ""Dedication""; ""Foreword""; ""Preface""; ""About the author""; ""Acknowledgements""; ""Contents ""; ""Chapter 1 - What are Bunkers?""; ""Types of fuel ""; ""Residual fuel ""; ""Distillate fuel ""; ""Daily consumption""; ""The size of the bunker market""; ""Chapter 2 - Who buys and who sells?""; ""Buyers""; ""Sellers""; ""Brokers""; ""Chapter 3 - Who else takes part?""; ""Port authorities""; ""Customs""; ""Delivery companies""; ""Agents""; ""Shipping jargon""; ""Ship types""; ""Chapter 4

- Prices"; "Bunker price reports"; "Hedging"; "Posted prices"
"Chapter 5 - How to buy, how to sell""What to buy? "; "Where to buy?"; "Bunker ports"; "Port restrictions"; "Offshore deliveries";
"How much to buy?"; "Vessel restrictions"; "When to buy?";
"Enquiry"; "Offer"; "Model offers"; "Delivery charges";
"Negotiation"; "Fixture"; "Confirmation"; "Post fixture";
"Invoicing"; "Payment"; "Chapter 6 - Terms and Conditions";
"Principal clauses"; "Chapter 7 - Bunker properties"; "Units";
"Manufacture"; "Elements"; "Contaminants"; "Adulterants";
"Properties for which we test"; "Density"; "Viscosity"
"Water""Ash"; "Carbon Residue"; "Sulphur"; "Aluminium";
"Silicon"; "Vanadium"; "Total Sediment Potential (TSP)"; "Sodium";
"Calcium, zinc and phosphorous"; "Iron"; "Nickel"; "Asphaltenes";
"Pour point"; "Flash point"; "Hydrogen sulphide"; "Stability";
"Compatibility"; "Ease of ignition"; "Microbial contamination";
"Fourier Transform Infrared Spectroscopy Screening"; "Safety issues";
"Fire and explosion"; "Health"; "Material Safety Data Sheets";
"Pollution"; "Chapter 8 - Bunker specifications"; "Origins";
"Current standards"
"ISO 8217""CIMAC 2003"; "Chapter 9 - How are bunkers delivered?"; "Barge"; "Dumb barges"; "Self propelled barges";
"Coastal tankers"; "Pipeline"; "Road tanker"; "Rail tanker";
"Drum"; "Booming"; "Delivery procedures"; "Access";
"Communications"; "Sampling"; "Chapter 10 - How are bunkers measured?"; "Measurement details"; "Chapter 11 - How are bunkers used?"; "Diesel engine"; "Slow speed diesel"; "Medium speed diesel"; "High speed diesel"; "Boilers"; "Steam turbine"; "Gas turbine"; "Fuel storage"; "Fuel treatment"; "Settling"
"Centrifuging""Heaters "; "Filtration"; "Injection viscosity";
"Chapter 12 - What can go wrong?"; "Quantity dispute"; "Delay to shipping "; "Delay to barge"; "Quality dispute"; "Debunkering";
"Chapter 13 - How to avoid and deal with problems"; "Dispute communications"; "Notice of claim"; "Exchange of information";
"Referee analysis"; "Surveyors"; "Evidence"; "Advice";
"Resolution"; "Appendix I - International Organisations, Legislation and Regulation"; "Flag State and Port State"; "International Maritime Organization"
"Proposed changes to sulphur limits"

Sommario/riassunto

This book is a highly respected and invaluable introduction to the bunker industry. It provides clear answers to complicated questions and its useful, up-to-date data and illustrations will help anyone in the maritime industry to understand exactly what bunkering is all about.
