

1. Record Nr.	UNINA9910825200903321
Autore	Fisher Christopher
Titolo	Bunkers : an analysis of the technical and environmental issues // Christopher Fisher and Robin Meech ; foreword by John Denholm
Pubbl/distr/stampa	Adderbury, Oxfordshire, : Petrosport, 2013
ISBN	1-908663-14-6
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (406 pages)
Altri autori (Persone)	MeechRobin DenholmJohn
Soggetti	Ships - Fuel Petroleum as fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	<p>""Cover""; ""Foreword""; ""Preface""; ""The authors""; ""Acknowledgements""; ""Contents""; ""List of Figures""; ""Figure 1.1. Demand by bunker fuel type 2010-2030""; ""A© Robin Meech""; ""Figure 1.2. Base case demand by product a€? million MT""; ""A© Robin Meech""; ""Figure 1.3. Base case total demand east and west of Suez a€? million MT""; ""A© Robin Meech""; ""Figure 1.4. Base case demand by region a€? million MT""; ""A© Robin Meech""; ""Figure 1.5. Low case demand by product a€? million MT""; ""A© Robin Meech""; ""Figure 1.6. High case demand by product a€? million MT"" ""A© Robin Meech""""Figure 1.7. Introduction of the global cap in 2020. Demand a€? million MT""; ""A© Robin Meech""; ""Figure 1.8. Distillate and residual bunker demand with global cap in 2020 v 2025 a€? million MT""; ""A© Outlook for Marine Bunkers and Fuel Oil to 2030, Robin Meech and EMC""; ""(part of the FGE-FACTS Global Group)""; ""Figure 1.9. Distillate bunker demand with global cap in 2020 v 2025 a€? million MT""; ""A© Robin Meech""; ""Figure 1.10. Sulphur emissions""; ""A© Robin Meech ""; ""Figure 1.11. Future refinery capacity additions - mmbpd"" ""A© Outlook for Marine Bunkers and Fuel Oil to 2030, Robin Meech and EMC (part of the FGE-FACTS Global Group)""""Figure 1.12. Fuel oil net trade balances""; ""A© Outlook for Marine Bunkers and Fuel Oil to 2030, Robin Meech and EMC (part of the FGE-FACTS Global Group)"";</p>

Figure 1.13. Regional demand for distillates \approx 1,000 bpd; © Robin Meech; Figure 1.14. Historic crude oil prices - per barrel; © Robin Meech; Figure 2.1. Atmospheric distillation; Figure 2.2. Residual fuel manufacture; Figure 2.3. Vacuum distillation; Figure 2.4. Visbreaking; Figure 2.5. Catalytic cracker; Figure 2.6. Residual fuel manufacture; Figure 2.7. Feedstocks/products in a complex refinery; Figure 2.8. Mechanical blender; Figure 2.9. A CBI barge blending unit; Photograph courtesy of CBI Engineering; Figure 4.1. Daily flows for a 10,000 kW two stroke engine running at 85% maximum continuous rating; © Robin Meech; Figure 4.2. Global vessel density Automated Mutual-Assistance Vessel Rescue System (AMVER), sponsored by the USCG Operations Systems Center. Data provided by the AMVER team, display generated by the E-GIS team. Amver density plot for May 2012 (vessels/km²); Figure 4.3. Density of premature deaths from marine PM emissions; Corbett, J. J.; Winebrake, J. J., Green, E. H.; Kasibhatla, P.; Eyring, V.; Lauer, A., Mortality from Ship Emissions: A Global Assessment. Environmental Science & Technology 2007, 41, (24), 8512-8518; Figure 4.4. Relationship between sulphur content of bunkers and PM emissions; Figure 4.5. Global inventory of NO_x
