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Sommario/riassunto	"It is not only chemists who realise the ubiquitous nature of chemical technology in our modern environment, though it may be that only chemical technologists fully appreciate just how wide ranging are the products of the chemical industry. The scope of the chemical technology can be thought of, broadly, as the applications - such the dyes, pharmaceuticals, and textiles - and within each application and subdivision, there is a whole technology specific to that application. One broad application is chemicals in the oil industry, which includes a few subdivisions: those for exploration and recovery, those in refineries and those for the finished products of oils and fuels. Additives for lubricating oils have been well covered in the available literature while fuel additives have been covered in much less detail and provide an area of expertise whose existence is largely unknown to the public. This book is concerned with the problems addressed by fuel additives, their chemistries, and scientific insights into their actions. In this book, chapters on the individual additive types generally follow a discussion of the problem that they address, what they do to alleviate the problem, their chemistries - including their preparations - and some

understanding of how they work. Many fuel additives are derived from existing areas of technology in other applications; degradation by corrosion and autoxidation, for example, are wide ranging problems that have spawned studies to understand them and additives to overcome them. Some additives started life in other parts of the petroleum industry such as fuel detergents, that are derived from lubricating oil dispersants, and demulsifiers, that are heavily used in crude oil recovery. As a result of this wide relationship with other applications, the sources drawn on for each chapter are also wide ranging in technical area and in literature type. There are some publications that provide useful summaries of fuel additives and their use. In particular, the booklets provided by the Technical Committee of Petroleum Additive Manufacturers in Europe (ATC) provide a paragraph on each additive/fuel combination. The Automotive Fuels Reference Book provides extensive coverage of the production, distribution and use of fuels along with details of internal combustion engines, along with few chapters on gasoline and diesel fuel additives. Books on refining are plentiful, but they usually pay little or no attention to fuel additives. However, to understand fuels and the roles of and incentives for the use of fuel additives, it is necessary to know something about refineries. So, the first chapter summarises refinery operations to an extent that discussions of fuels in the following chapters is understandable. This first chapter is an attempt to cover problems other than those occurring from of the way in which fuels are transported and used, so it also includes such items as the proportions of different fuels used at different times and places - the demand barrel; it also introduces the range of fuels and additives, and the influence of taxation"--
