

USA: Approved Engine Oils for the Latest Engines

	API	ACEA	visc @ 100° C	BMW	MB	Porsche
Vehicles with the Mercedes Maintenance System starting with MY2005 can use 229.5 or 229.51 oils.						
Mobil 1 European Car Formula 0W-40	SM/CF	A3/B3/B4	14	X	229.5	X
Pennzoil European Formula Ultra 5W-30 (*)	SH/CF	A3/B3/B4	11.4	X	229.5	X
Quaker State European Formula Ultra 5W-30 (*)	SH/CF	A3/B3/B4	11.6	X	229.5	X
Castrol Syntec European Formula 0W-30 (*)	SL/CF	A3/B3/B4	12.1	X	229.5	X
Elf Excellium 0W-30 (*)	SL/CF	A3/B3/B4	11.7	X	229.5	X
Elf Solaris LSX 5W-30 (for MY07+ diesel)	SM/CF	A3/B4/C3	11.9	X	229.51	-
Mobil 1 ESP Formula M 5W-40 (for MY07+ diesel)	SM/CF	A3/B4/C3	13.35	-	229.51	-
Valvoline SynPower MST 5W-30 (for MY07+ diesel)	SM/CF	A3/B4/C3	11.7	X	229.51	-
Vehicles with the Flexible Service System F55 from MY1998-2004 can use 229.5 or 229.3 oils.						
Mobil 1 European Car Formula 0W-40	SM/CF	A3/B3/B4	14.3	X	229.3	X
Castrol Syntec 5W-40	SL/CF	A3/B3/B4	-	X	229.3	X
Elf Excellium 5W-40	SL/CF	A3/B3/B4	-	X	229.3	X
Elf Excellium 0W-30 (*)	SL/CF	A3/B3/B4	-	X	229.3	X
Pennzoil Synthetic European Formula 5W-40	SL/CF	A3/B3	14.2	X	229.3	X
Quaker State Full Synthetic European Formula 5W-40	SL/CF	A3/B3	14.20	X	229.3	X
76 Pure Synthetic Motor Oil 5W-40	SL/CF	A3/B3/B4	14.3	X	229.3	X
Kendall GT-1 Full Synthetic Motor Oil 5W-40	SL/CF	A3/B3/B4	14.3	X	229.3	X
Motul 8100 E-Tech 0W-40	SL/CF	A3/B3/B4	-	-	229.3	X
Motul 8100 X-Cess 5W-40	SL/CF	A3/B3/B4	-	X	229.3	X
Shell Helix Ultra 5W-30 (*)	SL/CF	A3/B3/B4	11.6	X	229.3	X
Shell Helix Ultra 5W-40	SL/CF	A3/B3/B4	13.8	X	229.3	X
Valvoline SynPower MXL 0W-30 (*)	SL/CF	A3/B3/B4	-	X	229.3	X

Mercedes Benz Engine Oil Recommendations

Leslie R. Rudnick



Mercedes Benz Engine Oil Recommendations:

Automotive Lubricants Reference Book Arthur J. Caines, Roger F. Haycock, John E. Hillier, 2004 The automotive lubricants arena has undergone significant changes since the first edition of this book was published in 1996 Environmental concerns particularly regarding improvement of air quality have been important in recent years Reduced emissions are directly related to changes in lubricant specifications and quality and the second edition of the Automotive Lubricants Reference Book reflects the urgency of such matters by including updated and expanded detail This second edition also considers the recent phenomenon of increased consolidation within the oil and petroleum additive arenas which has resulted in fewer people for research development and implementation along with fewer competing companies After reviewing the first edition the authors have fully reviewed and updated the information to fit in with the changes in technology and markets Chapters include Introduction and Fundamentals Constituents of Modern Lubricants Crankcase Oil Testing Crankcase Oil Quality Levels and Formulations Practical Experiences with Lubricant Problems Performance Levels Classification Specification and Approval of Engine Lubricants Other Lubricants for Road Vehicles Other Specialized Oils of Interest Blending Storage Purchase and Use Safety Health and the Environment The Future MERCEDES-BENZ - Guide Karl Ludvigsen, 2014-08-06 In view of the number of volumes that have been produced in recent years about Germany's most famous auto maker it must seem presumptuous to add yet another to the stack Being relatively thin this one had to be different It devotes itself to Mercedes Benz cars and the most specific and personal aspects of their development performance and maintenance at the unavoidable sacrifice of portions of the long history of this great firm The fascinating story of Mercedes racing has been told by George Monkhouse Laurence Pomeroy Jr and S C H Davis among others while the fine successes of 1954 and 1955 are still familiar to most readers I've chosen to concentrate on several Mercedes and Benz racing machines that were extremely interesting and productive yet remain virtually unknown today At the other end of the performance scale the distinctive Mercedes diesels are covered completely 1959 Karl E Ludvigsen *Mercedes-Benz Buyer's Guide* Fred Larimer, This book gives an up close look at Mercedes Benz roadsters convertibles and two and four seat coupes from the mid 1950s to present With roadsters starting with the 300SLs from the mid 1950 and continuing through the current SLKs up to the 2003 model year Coupes and Cabrios this book details the 220SEb 300SE cars of 1960 and continues on up to the current CLKs to the 2003 model year This approach better serves those who are in the market for personal cars by not spreading the book too thin to cover the entire Mercedes Benz lineup Explore all the traditional elements of the Buyer's Guide series such as the basic histories of each model or model type Garage Watch photos with inset photo callouts tables of common replacement parts quotes from contemporary magazine reviews owner testimonials rating charts and specification tables **Engine Oils and Automotive Lubrication** Wilfried J. Bartz, 2019-03-04 Discusses all the major aspects of automotive and engine lubrication presenting state of the art advances in the field from both research and industrial perspectives This book should

be of interest to mechanical lubrication and automotive engineers automotive and machinery designers as well as undergraduate and graduate students in these fields *Internal Combustion Engine Handbook* Richard Van Basshuysen, Fred Schaefer, TechTrans, 2016-03-07 More than 120 authors from science and industry have documented this essential resource for students practitioners and professionals Comprehensively covering the development of the internal combustion engine ICE the information presented captures expert knowledge and serves as an essential resource that illustrates the latest level of knowledge about engine development Particular attention is paid toward the most up to date theory and practice addressing thermodynamic principles engine components fuels and emissions Details and data cover classification and characteristics of reciprocating engines along with fundamentals about diesel and spark ignition internal combustion engines including insightful perspectives about the history components and complexities of the present day and future IC engines Chapter highlights include Classification of reciprocating engines Friction and Lubrication Power efficiency fuel consumption Sensors actuators and electronics Cooling and emissions Hybrid drive systems Nearly 1 800 illustrations and more than 1 300 bibliographic references provide added value to this extensive study Although a large number of technical books deal with certain aspects of the internal combustion engine there has been no publication until now that covers all of the major aspects of diesel and SI engines Dr Ing E h Richard van Basshuysen and Professor Dr Ing Fred Sch fer the editors *Internal Combustion Engines Handbook Basics Components Systems and Perspectives* Instruction Manual for the MG 1,5 Litre Anonym Anonym, 2009-12 *Synthetics, Mineral Oils, and Bio-Based Lubricants* Leslie R. Rudnick, 2005-12-22 As the field of tribology has evolved the lubrication industry is also progressing at an extraordinary rate Updating the author s bestselling publication *Synthetic Lubricants and High Performance Functional Fluids* this book features the contributions of over 60 specialists ten new chapters and a new title to reflect the evolving nature of the

Mercedes W126: Buy, Maintain, Repair, and Love the 1980 to 1991 Mercedes S Class Steve Sorensen, 2025-06-01 The W126 isn t just a car it s a statement And keeping that statement running requires deep know how That s where this guide comes in I ll demystify everything from the vacuum locks to timing chains We re talking deep detailed discussions of W126 Essentials Why they re so special what to look for before you buy Engine Fuel Wisdom Tackling timing chains Bosch Jetronic bugaboos and common leaks Climate Control Conquered Finally understand that HVAC system Body Interior Savvy Fighting rust fixing tricky windows and electrical gremlins Suspension Brakes More From SLS quirks to keeping it all running smoothly Forget misleading TikToks or dry manuals This is packed with real world tips and tricks whether you DIY or just want to speak your mechanic s language Dodge common pitfalls save money and love owning the best car ever built Dive in with me and let s enjoy keeping these legends on the road **Handbook of Diesel Engines** Klaus Mollenhauer, Helmut Tschöke, 2010-06-22 This machine is destined to completely revolutionize cylinder diesel engine up through large low speed t engine engineering and replace everything that exists stroke diesel engines An appendix lists the

most From Rudolf Diesel's letter of October 2 1892 to the important standards and regulations for diesel engines publisher Julius Springer Further development of diesel engines as economical Although Diesel's stated goal has never been fully achieved clean powerful and convenient drives for road and rail use have been achieved of course the diesel engine indeed revolutionized nonroad use has proceeded quite dynamically in the mechanized drive systems This handbook documents the last twenty years in particular In light of limited oil current state of diesel engine engineering and technology reserves and the discussion of predicted climate change The impetus to publish a Handbook of Diesel engine development work continues to concentrate Engines grew out of ruminations on Rudolf Diesel's on reducing fuel consumption and utilizing alternative transformation of his idea for a rational heat engine fuels while keeping exhaust as clean as possible as well into reality more than 100 years ago Once the patent for further increasing diesel engine power density was filed in 1892 and work on his engine commenced enhancing operating performance

Lubricants and Lubrication Theo Mang, Wilfried Dresel, 2007-02-27 This completely revised second edition incorporates the latest data available and reflects the knowledge of one of the largest companies active in the business The authors take into account the interdisciplinary character of the field considering aspects of engineering materials science chemistry health and safety The result is a volume providing chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications focusing not only on the various products but also on specific application engineering criteria

Lubricant Additives Leslie R. Rudnick, 2017-07-12 This indispensable book describes lubricant additives their synthesis chemistry and mode of action All important areas of application are covered detailing which lubricants are needed for a particular application Laboratory and field performance data for each application is provided and the design of cost effective environmentally friendly technologies is fully explored This edition includes new chapters on chlorohydrocarbons foaming chemistry and physics antifoams for nonaqueous lubricants hydrogenated styrene diene viscosity modifiers alkylated aromatics and the impact of REACH and GHS on the lubricant industry

Lubrication Fundamentals, Revised and Expanded Don M. Pirro, Martin Webster, Ekkehard Daschner, 2017-07-31 Careful selection of the right lubricant is required to keep a machine running smoothly Lubrication Fundamentals Third Edition Revised and Expanded describes the need and design for the many specialized oils and greases used to lubricate machine elements and builds on the tribology and lubrication basics discussed in previous editions Utilizing knowledge from leading experts in the field the third edition covers new lubrication requirements crude oil composition and selection base stock manufacture lubricant formulation and evaluation machinery and lubrication fundamentals and environmental stewardship The book combines lubrication theory with practical knowledge and provides many useful illustrations to highlight key industrial commercial marine aviation and automotive lubricant applications and concepts All previous edition chapters have been updated to include new technologies applications and specifications that have been introduced in the past 15 years What's New in the Third Edition Adds three new chapters on the growing renewable energy application of wind turbines the impact

of lubricants on energy efficiency and best practice guidelines on establishing an in service lubricant analysis program
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experienced lubrication and tribology professionals Lubrication Fundamentals Third Edition Revised and Expanded is a must
read for maintenance professionals lubricant formulators and marketers chemists and lubrication surface chemical
mechanical and automotive engineers **Modern Engine Technology** Richard Van Basshuysen, Fred Schaefer, 2007-09-28
Part dictionary part encyclopedia Modern Engine Technology from A to Z will serve as your comprehensive reference guide
for many years to come Keywords throughout the text are in alphabetical order and highlighted in blue to make them easier
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additional visual explanation to the reader This book features approximately 4 500 keywords with detailed cross references
more than 1 700 illustrations some in full color in depth contributions from nearly 100 experts from industry and science
engine development both theory and practice **Light and Heavy Vehicle Technology** M J Nunney, 2007-01-18 Light and
Heavy Vehicle Technology Fourth Edition provides a complete text and reference to the design construction and operation of
the many and varied components of modern motor vehicles including the knowledge needed to service and repair them This
book provides incomparable coverage of both cars and heavier vehicles featuring over 1000 illustrations This new edition has
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knowledge and skills **Cycle World Magazine** ,2005-01 Bibliography of Scientific and Industrial Reports ,1946
Field & Stream ,1989-05 FIELD STREAM America s largest outdoor sports magazine celebrates the outdoor experience

with great stories compelling photography and sound advice while honoring the traditions hunters and fishermen have passed down for generations **Lubrication Fundamentals** Don M. Pirro, Ekkehard Daschner, 2001-08-28 Building on the cornerstone of the first edition Lubrication Fundamentals Second Edition outlines the emergence of higher performance specialty application oils and greases and emphasizes the need for lubrication and careful lubricant selection Thoroughly updated and rewritten since the previous edition reached its 10th printing the book discuss **Light and Heavy Vehicle Technology** M.J. Nunney, 2016-03-17 Light and Heavy Vehicle Technology Third Edition covers the essential technology requirements of the City and Guilds Motor Vehicle Craft Studies 381 Part 2 for both light and heavy vehicles The book discusses the reciprocating piston petrol and diesel engines with regard to their operating principles and combustion chambers and processes The book also appraises vehicle heating and the importance of engine lubrication and cooling Numerous examples of vehicle maintenance procedure and of diagnosing vehicle misbehavior in service are also considered The book covers the different vehicle systems including intake and exhaust diesel fuel injection ignition automatic transmission control suspension hydraulic brake and electrical systems The vehicle structure manual and power assisted steering tires road wheels and hubs layshaft and epicyclic gearboxes and fluid couplings and torque converters are also discussed Students of mechanics and mechanical engineering studies will find this book invaluable **Paint, Oil and Chemical Review ...** , 1892

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