

Engine oils

Transmission oils and Automatic transmission fluids

Engine and Transmission oils for

PASSENGER CARS



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ADDINOL Engine Oils	SAE	ACEA	API	International specifications and approvals
Economic 016	0W-16		SP with Resource Conserving	suited for: Toyota, Lexus, Mazda, Honda, Nissan, Infiniti, Mitsubishi, Subaru, Suzuki, ILSAC GF-6B
Premium 020 FE	0W-20	C5		VW 508 00/509 00, fulfils: Ford WSS-M2C-956-A1
Premium 020 C6	0W-20	C6, C5		BMW Longlife 17FE+ (incl. BMW Longlife 14FE+), MB-Approval 229.71/72, OV0401547-A20, fulfils: Ford WSS-M2C-947-B1/952-A1/962-A1, Volvo VCC RBS0-2AE, Jaguar Land Rover ST JLR.03.5006, Fiat 9.55535-GSX, Chrysler MS 12145, ILSAC GF-6A
Economic 020	0W-20		SP with Resource Conserving	fulfils: Ford WSS-M2C-945-A/930-A/925-A, Chrysler MS 6395, GM 6094M, ILSAC GF-6A
Giga Light 030	0W-30	C3		VW 504 00/507 00, fulfils: BMW Longlife-04, MB-Approval 229.31/51/52
Premium 030 C2	0W-30	C2		fulfils: PSA B71 2312, Fiat 9.55535-GS1/-DS1, Iveco
Premium 030 FD	0W-30	C2		fulfils: Ford WSS-M2C-950-A, Jaguar Land Rover ST JLR.03.5007
Superior 030	0W-30	A3/B4	SN/CF	fulfils: MB-Approval 229.5/3, VW 502 00/505 00, Renault RN0700/RN0710, Volvo VCC 95200356
Superior 040	0W-40	A3/B4	SN/CF	fulfils: MB-Approval 229.5/3, VW 502 00/505 00, BMW Longlife-01, Renault RN0700/RN0710, Ford WSS-M2C-937-A, Chrysler MS 12633/10725
Premium 0520 FD	5W-20		SN	fulfils: Ford WSS-M2C-948-B/913-C/B/A, Jaguar Land Rover ST JLR.03.5004
Economic 0520	5W-20		SP with Resource Conserving	fulfils: Ford WSS-M2C-945-A/930-A/925-A, Chrysler MS 6395, GM 6094M, ILSAC GF-6A
Giga Light MV 0530 LL	5W-30	C3	SP	VW 504 00/507 00, MB-Approval 229.51/31, BMW Longlife-04, Porsche C30, fulfils: OV0401547-D30/G30, MB-Approval 229.52, Chrysler MS 11106
Premium 0530 DX1	5W-30		SP with Resource Conserving	OV0401547-G30, fulfils: Ford WSS-M2C-946-A, GM 6094M, GM dexos1™ Gen3 (inkl. Gen2), Chrysler MS 6395, ILSAC GF-6A
Premium 0530 C3-DX	5W-30	C3	SN/CF	GM dexos2™, OV0401547-D30, MB-Approval 229.52/51/31, VW 505 01/505 00, fulfils: GM-LL-A-025/B-025, Ford WSS-M2C-917-A, BMW Longlife-04, Chrysler MS 11106
Premium 0530 FD	5W-30	A5/B5		fulfils: Ford WSS-M2C-913-D/C/B/A, Jaguar Land Rover ST JLR.03.5003
Superior 0530 C4	5W-30	C4		Renault RN0720, MB-Approval 226.51, fulfils: MB-Approval 229.51/31
Superior 0530 RN	5W-30	C3		Renault RN17, fulfils: MB-Approval 226.52
Super Power MV 0537	5W-30	A3/B3/B4	SM/CF	VW 502 00/505 00, MB-Approval 229.5, fulfils: GM-LL-A-025/B-025, Renault RN0700/RN0710, BMW Longlife-01, MB-Approval 229.3/226.5
Mega Power MV 0538 C2	5W-30	C2, A5/B5	SN/CF	fulfils: PSA B71 2290, Iveco, Fiat 9.55535-S1
Premium 0540 C3	5W-40	C3	SN/CF	fulfils: BMW Longlife-04, Fiat 9.55535-S2/D3, Ford WSS-M2C-917-A, GM dexos2™, MB-Approval 229.51/31, Porsche A40, VW 505 00/505 01
Super Light 0540	5W-40	A3/B4	SN/CF	VW 502 00/505 00, MB-Approval 229.5/3/226.5, Renault RN0700/RN0710, fulfils: GM-LL-B-025, PSA B71 2296, BMW Longlife-01, Fiat 9.55535-M2
Super Racing 5W-50 Super Racing 10W-60	5W-50 10W-60	A3/B4	SM/CF	fulfils: MB-Approval 229.3, VW 502 00/505 00, BMW Longlife-98, GM-LL-B-025, JASO MA-2/MA
Semi Synth 1040	10W-40	A3/B4	SP	VW 501 01/505 00, fulfils: Renault RN0700/RN0710, MB-Approval 229.3/226.5, PSA B71 2300, JASO MA-2/MA

Transmission Oils	SAE	API	International specifications and approvals
GS 80 W	80W	GL-4	MB-Approval 235.1, ZF TE-ML 17A, meets: Bosch TE-ML 08, MAN 341 Z2/E1, MIL-L-2105
GS 75 W 90	75W-90	GL-4	meets: Bosch TE-ML 08, MIL-L-2105
GS 80 W 90	80W-90	GL-4	ZF TE-ML 16A, 17A, 19A, meets: Bosch TE-ML 08, Iveco 18-1807 (MG), MIL-L-2105
GS 85 W 90	85W-90	GL-4	meets: MIL-L-2105
MTF 75 W	75W	GL-4 (GL-4+)	meets: VW G 052 171 / 178 / 512 / 527 / 532 / 798, TL 726, BMW DTF 1, MTF LT-2/LT-3, Chrysler MS 9224/9417, Fiat 9.55550-MZ2/-MZ6/-MZ7/-DA11, JWS 227, Ford M2C200-D2/D3/E1, GM Opel 1925 9104/05/ 1940 004, MB-Approval 235.10/71, PSA 9730 A8/B71 2310/1618078480, Renault Nissan MTF-1 LV, Suzuki 22B27-036
MTF 75 W 80	75W-80	GL-4 (GL-4+)	meets: VW G 009 317/G 052 527, BMW MTF LT-2, Fiat 9.55550-MZ5/-Z9/-Z10/-Z12-DA10, Ford M2C200-C2, GM/Opel 1940 711/ 750/ 757/ 759/ 764/ 768, Honda MTF 94/MTF/MTF II/MTF III, MB-Approval 235.10, Renault Tranself NFJ/NFP/TRJ/TRT/TRX/TRZ, Nissan MT-XZ, MT-XZ TL (JR Type), Mazda G7, PSA B71 2315, Subaru SOA748V0100, Suzuki 22B21-036
MTF 75 W 85	75W-85	GL-4 (GL-4+)	meets: VW G 052 513, BMW G1, Fiat 9.55550-MX3/-MZ1/-MZ3/MTF 94/MTF 0063, GM Opel 1940 182/ 704/ 1942 067, MB-Approval 235.4, MS 9070, Nissan MTF HQ Multi/ MT-XZ Sport&Offroad, PSA B71 2330, Renault TRP, Saab, Suzuki 22B30
MTF 75 W 90	75W-90	GL-4 (GL-4+)	meets: VW G 050 150, G 052 190/911, BMW MTF LT-4, Fiat 9.5550-MZ4/-MZ11, Ford M2C 175-A/ 200-B/-C/ 203-A1, GM/Opel 1940 008/761, MB-Approval 235.72
GX 80 W 90	80W-90	GL-4/GL-5	ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A, meets: MAN 341 M1/M2, Volvo 97310, ZF TE-ML 07A, Bosch TE-ML 08, BMW Hypoid Axle Oil G2 (BMW 83 22 2 413 511)
GX 80 W 90 ML	80W-90	GL-4/GL-5 MT-1	MAN 341 Z2/ 342 M2, ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A, meets: SAE J2360, Bosch TE-ML 08, MAN 341 E2/Z1, MB-Approval 235.0, ZF TE-ML 07A, Volvo 97321, Ford M2C197-A, MIL-PRF 2105 E
GH 75 W 90	75W-90	GL-4/GL-5	meets: Bosch TE-ML 08, ZF TE-ML 07A, VW G 050 145 / 150 (G 50), Volvo 97316 (G0101), MIL-L-2105 D
GH 75 W 90 SL	75W-90	GL-4/GL-5 MT-1	meets: BMW OSP (Non LS), Chrysler MS A0160, Fiat 9.55550-DA3/4/6/7/8, -MX4, Ford M2C 201-A/918-A/942-A, Honda HGO-I, Iveco 18-1805/RAS1, Mopar LX, VW G 005 000, G 052 145/911, G 060 145/517, GM, Porsche, Suzuki, Volvo 1161648
GH 80 W 90	80W-90	GL-5	Voith Turbo 132.00374400, ZF TE-ML 16B, 17B, 19B, 21A, meets: Bosch TE-ML 08, ZF TE-ML 07A, MIL-L-2105 D
GH 85 W 90	85W-90	GL-5	Voith Turbo 132.00374400, ZF TE-ML 16C, 17B, 19B, 21A, MAN 342 M1, Kessler, meets: Bosch TE-ML 08, ZF TE-ML 07A, MIL-L-2105 D, MB-Approval 235.0
GH 80 W 90 LS	80W-90	GL-5	ZF TE-ML 05C, 21C, meets: PSA B71 2375, Fiat 9.55550-DA2, Arvin Meritor Axles, MB-Approval 235.0, MAN 342 M1 (342 N), Voith 132.00374400 (3.325-339), Volvo 97310/97311, DAF, GM/Opel 1942387/9121965, ZF TE-ML 07A, 12C, JCO-96, MIL-L-2105 D
GH 85 W 90 LS	85W-90	GL-5	ZF TE-ML 05C, 16E, 21C, meets: Arvin Meritor Axles, MB-Approval 235.0, MAN 342 M1 (342 N), Voith 132.00374400 (3.325-339), Volvo 97310/ 97311, DAF, GM/Opel 1942387/9121965, ZF TE-ML 07A, 12C, MIL-L-2105 D
GH 75 W 140 LS	75W-140	GL-5	meets: MIL-PRF-2105 E, MAN 342 M2, Scania STO 1:0, Ford WSL-M2C 192-A, VME, ZF TE-ML 05C, 12C, 21C

ATF	Type	International specifications
ATF XN 2	Dexron II D	ZF TE-ML 03D, 04D, 14A, 17C, meets: Allison C4/C3, Cat TO-2, MAN 339 Z1/V1/L2, MB-Approval 236.1/6/7, Ford M2C-138 C/J-166 H/-186 A, SQM-2C9010-A/-B, Volvo 97335
ATF XN 3	Dexron III (H)	ZF TE-ML 03D, 04D, 14A, 17C, meets: Allison C4, Cat TO-2, MAN 339 Z1/V1/L1, MB-Approval 236.1/5/9, Mercon, Mopar +3, Fiat 9.55550-AG2, Volvo 97340
ATF XN 5	Dexron III (H)	meets: Mopar +4, Fiat 9.55550-AG2, Ford Mercon V, FNR5, XT-5, Hyundai/Kia/ Mitsubishi SP-III, Honda ATF Z1, Besco 3, Mazda M-V, MB 236.6/11/81, Nissan Matic-D/J/K, Renault AJ8, Subaru 5ATF, Toyota T-IV, VW G 052 162/G 052 990/G 055 025, Volvo 97341
ATF XN 6	Dexron VI	meets: Mercon LV, M-1375.4, Aisin AW-1, BMW LT 71141, MB-Approval 236.12/14/41, DSIH 6p, Honda DW1, Mazda ATF FZ, Nissan Matic S, Ford SP XT-6, Toyota T-IV/WS, Hyundai/Kia/Mitsubishi SP-IV/SP-IV-RR, VW G 055 005/G 055 162
ATF XN 7	Dexron VI	meets: JASO 1A-LV, BMW LT 71141/B 8072 B, MB-Approval 236.12/14/15, Hyundai/Kia/Mitsubishi SP-IV, Mazda ATF FZ, Peugeot LT 71141, Ford FNR 5, Honda DW1, Nissan Matic S, Toyota T-IV/WS, VW G 055 005/G 055 162
ATF XN 8	Dexron VI	meets: BMW ATF3+, L12108, Fiat 9.55550-AV5, Ford XT-8/10/M2C-938-A, Honda Type 3.0/3.1, Hyundai/Kia/Mitsubishi SP-IV-RR, Land Rover LR 023288, VW G 055 540/G 060 162, ZF 8HP/9HP
ATF XN 9	Dexron VI	meets: ATF M-1375.6, Mercon ULV, MB-Approval 236.16/17, Ford XT-12, Honda ATF Type 3.1, Land Rover LR023288/9, ZF 9HP
ATF CVT	CVT	meets: Toyota CVTF TC/FE, Honda HCF-2/HMMF, Hyundai/Kia/Mitsubishi CVTF 1/J1/J4 / ECO J4/J4+, VW G 052 180/ G 052 516, BMW/Mini/Punch CVT EZL 799/799 A, Dodge/Jeep NS-2/CVT +4, Ford CVT 23/CVT30, Nissan NS-1/-2/-3
ATF CVT yellow	CVT	meets: Subaru Lineartronic HT/ ECVT/ iCVT F/FG, Suzuki CVTF TC/ 3320/ 4401/ Green 1V/ 2, Hyundai/Kia SP-CVT 1, Punch EZL 799A, Mitsubishi DiaQueen CVTF-J1/J4/J4+, Ford CVT 23/CVT30, Nissan NS-1/-2/-3
ATF DCT	DCT	meets: VW G 052 182/529 / G 055 529, BMW DCTF-1, BMW Drivelogic 7/ MTF LT-5, JAC DTF630, MB-Approval 236.21/24/25, MG DCT 360/DQ 350, Fiat 9.55550-MZ6, Ford/Nissan M2C 936-A/200-D2/TC-SST 6, PSA DCS 6, Renault EDC-6/-7, SSTF-1

All ADDINOL engine oils can be used in both gasoline and diesel engines, they are also suitable for vehicles with turbochargers and catalytic converters. Please follow the instructions of your vehicle manufacturer!

Choose the right engine oil

Quick, simple, safe

Decisive for the selection are the operating instructions of your vehicle. Under the point "engine oil" the manufacturers lay down which oil is allowed to be used. Here they give details about:

- viscosity and/or SAE-grade
- approvals
- specifications.

BMW, Ford, GM, Mercedes-Benz, Porsche, Renault, PSA and VW have their own approvals for engine oils. Other manufacturers use international specifications like ACEA and API. The approvals and specifications have different combinations of numbers and/or letters. These combinations indicate the oil type. Thus the respective details are given on all ADDINOL packages and in this flyer.

The combinations of numbers and letters are easy to understand

Viscosity – it describes the flow behaviour of the oil. Engine and transmission oils are classified into SAE grades (Society of Automotive Engineers). The viscosity of an oil depends on the temperature (During winter oils of a low viscosity, SAE 10 or SAE 20, used to be applied which were marked with a W. In summer one used to change to oil of a higher viscosity.) Modern multi-grade oils, like ADDINOL Giga Light MV 0530 LL (SAE 5W-30), are all season oils. They provide a reliable lubrication at all temperatures.

API – the American Petroleum Institute issues classifications for engine oils. It mainly tests the oils on engines of American manufacturers. Japanese manufacturers usually follow the API standards and rarely have their own norms.

ACEA – is the name of the association of European engine manufacturers (Association des Constructeurs Européens d'Automobiles). It draws up specifications for engine oils which are based on strictest European test methods. Thus, the specifications of ACEA sum up the requirements on engine oils shared by the European vehicle manufacturers.

These specifications are classified into the **sequences A/B** and **C**. Numbers are added for a further differentiation.

Sequences A/B – They describe the requirements of gasoline and diesel engines.

Sequence C – Vehicles equipped with modern exhaust treatment systems (as for instance diesel particulate filters) require special engine oils in order to prevent their blocking. Depending on the permitted content of the ash-forming additives **sulphated ash**, **phosphorus** and **sulphur** they are divided into Low and Mid **SAPS** oils and classified according to ACEA C.

ACEA Sequence	Ash content	Overview vehicle types*
C2	Mid SAPS	PSA, Toyota, Subaru, Honda, Mitsubishi, Fiat
C3	Mid SAPS	VW-Group, BMW, Mercedes-Benz, Nissan (until end of 2009), Kia, Hyundai, Suzuki, Mitsubishi, Opel, Subaru, Chevrolet, Fiat
C4	Low SAPS	Renault, Nissan
C5	Mid SAPS	Mercedes-Benz, Jaguar Land Rover, Renault, Nissan, Volvo
C6	Mid SAPS	High-performance engines with exhaust aftertreatment, oils with lowered HTHSV (2.6 mPas), increased protection against LSPI, turbocharger wear and deposits

* These are typical recommendations; please follow the instructions of your vehicle manufacturer according to your operating manual. The overview just gives a selection of vehicle types and is not exhaustive.

Our Research & Development

Keeps setting standards



Research & development is one of the core competencies of our company. ADDINOL provides intelligent solutions which guarantee optimum lubrication and ensure responsibility towards the environment at the same time.

In close co-operation with leading vehicle manufacturers ADDINOL develops the required products at the latest state of ever progressing art, specifically tailored to modern engine technologies and exhaust treatment systems

On the safe side

With engine oils of ADDINOL:



- superior engine cleanliness by outstanding cleaning performance
- reliable wear protection for long engine lifetimes
- excellent starting and warming up behaviour due to good low-temperature characteristics (fuel-efficiency)
- stable lubricating film under all operating conditions
- improved friction behaviour for low fuel consumption
- stable viscosity and low oil consumption by reduced evaporation losses
- perfect protection for catalytic converters and other exhaust treatment systems (please follow instructions of your vehicle manufacturer!)



YOUR BENEFIT

All ADDINOL engine oils can be used both in gasoline and diesel engines with or without turbochargers. Please follow the instructions of your vehicle manufacturer!



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High-performance lubricants

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GERMAN QUALITY since 1936

The ADDINOL Lube Oil GmbH develops and produces modern lubricants for highest requirements in automotive and industrial applications.

The product range of ADDINOL includes engine and transmission oils of the highest international specifications. More than 140 approvals of leading OEM argue for the outstanding quality of ADDINOL lubricants for all motor and commercial vehicles. Among these OEM are for example BMW, Mercedes-Benz, Porsche, Ford and the Volkswagen group.

With distributor partners in more than 100 countries ADDINOL is represented on all continents. The experts at ADDINOL possess comprehensive tribological know-how and experience. Our range of more than 650 high-performance lubricants and comprehensive service provide the optimum solution for your lubrication-related applications.

ADDINOL – Strong performance

Handed over by: