

Engine Oils

Transmission oils and ATF

ADDINOL
THE ART OF OIL · SINCE 1936

ADDINOL Engine oils	SAE	ACEA	API	International specifications and approvals
Economic 016	0W-16		SN with Resource Conserving	suited for: Toyota, Lexus, Mazda, Honda, Nissan, Infiniti, Mitsubishi, Subaru, Suzuki
Premium 020 FE	0W-20	C5		VW 508 00/509 00
Superior 020 C5	0W-20	C5		meets: Volvo VCC RBS0-2AE
Economic 020	0W-20		SN with Resource Conserving	meets: Ford WSS-M2C 945A (WSS-M2C 930A/925A), Chrysler MS 6395, GM 6094M, ILSAC GF-5
Premium 030 C2	0W-30	C2		meets: PSA B71 2312, Fiat 9.55535-GS1/-DS1, Iveco
Premium 030 FD	0W-30	C2		meets: Ford WSS-M2C-950-A, Jaguar Land Rover ST JLR.03.5007
Superior 030	0W-30	A3/B4	SN/CF	meets: MB-Approval 229.3/229.5, VW 502 00/505 00, Renault RN0700/RN0710, Volvo VCC 95200356
Superior 040	0W-40	A3/B4	SN/CF	meets: MB-Approval 229.3/229.5, VW 502 00/505 00, BMW Longlife-01, Renault RN0700/RN0710, Ford WSS-M2C 937-A
Premium 0520 FD	5W-20		SN	meets: Ford WSS-MSC 948-B, Jaguar Land Rover ST JLR.03.5004
Economic 0520	5W-20		SN with Resource Conserving	meets: Ford WSS-M2C 945A (WSS-M2C 930A/925A), Chrysler MS 6395, GM 6094M, ILSAC GF-5
Premium 0530 C1	5W-30	C1, A5/B5		meets: Ford WSS-M2C 934-B, Jaguar Land Rover ST JLR.03.5005
Mega Power MV 0538 C2	5W-30	C2, A5/B5	SN/CF	meets: PSA B71 2290, Iveco
Giga Light MV 0530 LL	5W-30	C3	SN	VW 504 00/507 00, MB-Approval 229.51, BMW Longlife-04, Porsche C30
Premium 0530 C3-DX	5W-30	C3	SN/CF	GM dexos 2™, MB-Approval 229.52/51/31, VW 505 01/505 00, BMW Longlife-04, meets: GM-LL-A-025/-B-025, Ford WSS-M2C 917-A
Premium 0530 DX1	5W-30		SN	GM dexos 1™ Generation 2, ILSAC GF-5
Mega Power MV 0538 C4	5W-30	C4		Renault RN0720, MB-Approval 226.51
Premium 0530 FD	5W-30	A5/B5		meets: Ford WSS-M2C 913-D/-C (WSS-M2C 913-A/-B), Jaguar Land Rover ST JLR.03.5003
Super Power MV 0537	5W-30	A3/B3/B4	SM/CF	VW 502 00/505 00, MB-Approval 229.5, meets: GM-LL-A-025/GM-LL-B-025, Renault RN0700, BMW Longlife-01
Premium 0540 C3	5W-40	C3	SN/CF	meets: BMW Longlife-04, MB-Approval 229.51/229.31, VW 505 00/505 01, dexos 2, Porsche A40, Fiat 9.55535-S2, Ford WSS-M2C 917-A
Super Light 0540	5W-40	A3/B4	SN/CF	VW 502 00/505 00, MB-Approval 229.5/226.5, Porsche A40, Renault RN0700/0710, meets: GM-LL-B-025, PSA B71 2296, BMW Longlife-01
Super Racing 5W-50/10W-60	5W-50 10W-60	A3/B4	SM/CF	meets: 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	SN	VW 501 01/505 00, MB-Approval 229.1, meets: Renault RN0700/0710
Super Star MX 1547	15W-40	A3/B4	SL/CF	meets: MB-Approval 229.1/228.3, VW 501 01/505 00, PSA B71 2295

ADDINOL Transmission oils	SAE	API	International specifications and approvals
GS 75 W 90	75W-90	GL-4	meets: Bosch (ZF) TE-ML 08, MIL-L-2105
GS 80 W	80W	GL-4	MB-Approval 235.1, ZF TE-ML 17A, meets: Bosch (ZF) TE-ML 08, MAN 341 Z2/E1, MIL-L-2105
GS 80 W 90	80W-90	GL-4	ZF TE-ML 16A, 17A, 19A, meets: Bosch (ZF) 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 80	75W-80	GL-4 (GL-4+)	meets: Audi/VW G 052 171/178/512/527/532/726/798, G 055 726, G 060 726, G 070 726, G 009 317, BMW MTF LT-1/LT-2/LT-3/LT-4, Fiat 9.55550-MZ2, Ford M2C200-D2, GM/Opel 1940711/1940764/1940768, Honda MTF 94/MTF/MTF II/MTF III, MB-Approval 235.10, PSA 9730/ B 71 2330, Renault Tranself NFJ/NFP/TRJ/TRT/TRX/TRZ, Volvo 97308, Toyota JWS 227, Nissan MT-XZ, MT-XZ TL (JR Type)
MTF 75 W 90	75W-90	GL-4 (GL-4+)	meets: Audi/VW G 050 150, G 052 911, Fiat 9.5550-MX3, Ford M2C200-C, GM/Opel 19259104/1940004/1940182, Volvo 97309
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 1273,10 (97310), ZF TE-ML 07A, Bosch (ZF)TE-ML 08, NATO 0-226, MIL-L-2105 D
GX 80 W 90 ML	80W-90	GL-4/GL-5 MT-1	MAN 341 Z2, MAN 342 M2, ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A, meets: SAE J2360, Bosch (ZF) TE-ML 08, MAN 341 E2/Z1, MB-Approval 235.0, Scania STO 1:0, ZF TE-ML 07A, MIL-L2105/2105 D, MIL-PRF 2105 E
GH 75 W 90	75W-90	GL-4/GL-5	meets: Bosch (ZF) TE-ML 08, ZF TE-ML 07A, VW 050 145, 050 150 (G 50), Volvo 97316 (GO101), MIL-L-2105 D
GH 80 W 90	80W-90	GL-5	Voith Turbo 132.00374400, ZF TE-ML 16B, 17B, 19B, 21A, meets: Bosch (ZF) 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, meets: Bosch (ZF) TE-ML 08, ZF TE-ML 07A, MB-Approval 235.0, MIL-L-2105 D
GH 80 W 90 LS	80W-90	GL-5	ZF TE-ML 05C, 12C, 21C, meets: MAN 342 M1 (N), Volvo 97310/97314, DAF, MB-Approval 235.0, ZF TE-ML 07A, MIL-L-2105 D
GH 85 W 90 LS	85W-90	GL-5	ZF TE-ML 05C, 12C, 16E, 21C, meets: MAN 342 M1 (N), Volvo 97310/97314, DAF, MB-Approval 235.0, ZF TE-ML 07A, MIL-L-2105 D

ADDINOL ATF	Type	International specifications
ATF XN 2	Dexron II D	Allison C4/C3, Caterpillar TO-2, MAN 339 Z1/V1/L2, MB-Approval 236.1/6/7, ZF TE-ML 04D/14A/17C, Renk DOROMAT, Ford SQM-9010B/M2C-138 CJ/ M2C-166H/ M2C-185A
ATF XN 3	Dexron III (H)	Allison C4, Caterpillar TO-2, MAN 339 Z1/V1/L1, MB-Approval 236.1/5, ZF TE-ML 04D/14A, Voith H55.6335.xx, Mercon M, Mopar +3, Volvo 97340
ATF XN 5	Dexron III (H)	Mercon V, VW G 052 162/ G 055 025/ LT 71141, Besco 3, Mazda M-V, JWS 3309-3317, PSA AL-4, Hyundai/Kia/Mitsubishi SP-III, Ford FNR5/XT-5, Nissan Matic C/D/J, Subaru 5 ATF, Toyota T-III, Honda ATF-Z1, MB 236.6/11, Mopar ATF +4, ZF TE-ML 04D/11B/14B/16L, Volvo 97341
ATF XN 6	Dexron VI	JASO 1A-LV, Mercon LV, M-1375.4, Aisin AW-1, MB-Approval 236.12/14/41, DSIH 6p, Honda DW1, Mazda ATF FZ, Nissan Matic S, Ford SP XT-6, JWS 3324, Toyota T-IV/WS, Hyundai/Kia/Mitsubishi SP-IV/SP-IV-RR, VW/Audi G 055 005/G 055 162
ATF XN 7	Dexron VI	JASO 1A-LV, M-1375.4, BMW LT 71141/B 8072 B, MB-Approval 236.12/14/41, Hyundai/Kia/Mitsubishi SP-IV, Mazda ATF FZ, Peugeot LT 71141, Ford FNR 5, Honda DW1, Nissan Matic S, Toyota T-IV/WS, VW/Audi G 055 005/G 055 162
ATF XN 8	Dexron VI	BMW ATF 3+, M-1375.5, L 12108, Ford XT-8/10/ M2C-938-A, Honda Type 3.0, Hyundai/Kia/Mitsubishi SP-IV-RR, VW/Audi G 055 162/G 060 162, ZF 8HP, ZF S671 090 312
ATF XN 9	Dexron VI	M-1375.6, Mercon ULV, MB-Approval 236.16/17, Ford XT-12, Honda ATF Type 3.1, Land Rover LR023288/9, ZF TE-ML 11 9HP48
ATF CVT	CVT	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	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	VW/Audi G 052 182/G 052 529/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, Ford/Nissan M2C 936-A/200-D2/TC-SST 6, PSA DCS 6, Renault EDC-6/-7

➤ ADDINOL Engine and Transmission Oils for Passenger Cars

Including new ATF XN series

MORE THAN
80
YEARS

GERMAN
QUALITY

➤ **How to 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 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.

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 conventional gasoline and diesel engines.



➤ **Our Research & Development keep setting standards**

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*
C1	Low SAPS	Mitsubishi, Mazda, Land Rover
C2	Mid SAPS	PSA, Toyota, Subaru, Honda, Mitsubishi, Fiat
C3	Low SAPS	VW-Gruppe, BMW, Mercedes-Benz, Nissan (bis Ende 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

* 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.

By the way: 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!

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!)

Research & Development make up a vital part of our company's core competence. 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.



ADDINOL – 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 90 countries ADDINOL is represented on all continents. The experts at ADDINOL possess comprehensive tribological know-how and experience. Our range of more than 600 high-performance lubricants and comprehensive service provide the optimum solution for your lubrication-related applications.

ADDINOL – Improve the performance!

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High-Performance Lubricants

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Handed over by:

