

Engine Oils

➤	ADDINOL Engine oils	SAE	ACEA	API	International specifications and approvals
	Superior 030	0W-30	A3/B4	SL/CF	meets: MB-Approval 229.5/226.5, BMW Longlife-01, VW 502 00/505 00, Renault RN0700
	Mega Light MV 039	0W-30	A5/B5		VW 503 00/506 00/506 01
	Superior 040	0W-40	A3/B4	SN/CF	meets: VW 502 00/505 00, BMW Longlife-01, MB-Approval 229.5/226.5, Renault RN0700/0710, Porsche A40
	Premium 0530 C1	5W-30	C1, A5/B5		meets: Ford WSS-M2C 934-B, Mazda, Mitsubishi, JASO DL-1
	Mega Power MV 0538 C2	5W-30	C2, A5/B5	SN/CF	meets: PSA B71 2290
	Giga Light MV 0530 LL	5W-30	C3		VW 504 00/507 00, MB-Approval 229.51, BMW Longlife-04, Porsche C30
	Mega Light MV 0539 LE	5W-30	C3		VW 504 00/507 00, Porsche C30
	Extra Power MV 0538 LE	5W-30	C3	SN/CF	BMW Longlife-04, MB-Approval 229.31, VW 502 00/505 00, meets: Renault RN0700
	Premium 0530 C3-DX	5W-30	C3	SN/CF	meets: GM dexos 2, MB-Approval 229.51, VW 502 00/505 01, BMW Longlife-04, GM-LL-A-025/-B-025
	Mega Power MV 0538 C4	5W-30	C4		Renault RN0720, MB-Approval 226.51
	Premium 0530 FD	5W-30	A5/B5/A1/B1		meets: Ford WSS-M2C 913-C (including 913-A/913-B)
	Super Power MV 0537	5W-30	A3/B3/B4	SM/CF, EC	BMW Longlife-01, MB-Approval 229.5, VW 502 00/505 00, meets: GM-LL-A-025/-B-025, Renault RN0700
	Premium 0540 C3	5W-40	C3	SN/CF	meets: Fiat 9.55535-S2/-T2, BMW Longlife-04, MB-Approval 229.51
	Super Light 0540	5W-40	A3/B4	SN/CF	VW 502 00/505 00, MB-Approval 229.5/226.5, BMW Longlife-01, Porsche A40, Renault RN0700/0710, meets: GM-LL-B-025, PSA B71 2296
	Light MV 0546 PD	5W-40	A3/B3	SL/CF, SH/EC	meets: VW 500 00/505 00/505 01 (until 2004), MB-Approval 229.1, Ford WSS-M2C 917-A, BMW Longlife-98
	Super Racing 5W-50	5W-50	A3/B3/B4	SM/CF	meets: BMW Longlife-98, MB-Approval 229.3, VW 502 00/505 00, GM-LL-B-025
	Semi Synth 1040	10W-40	A3/B4	SL/CF	VW 502 00/505 00, MB-Approval 229.1, meets: BMW Longlife-98
	Super Racing 10W-60	10W-60	A3/B3	SJ/CF	JASO MA
	Super Drive MV 1546	15W-40	A3/B3	SL/CF	MB-Approval 229.1, meets: VW 501 01/505 00

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

Transmission oils and ATF

➤	ADDINOL Transmission oils	SAE	API	International specifications and approvals
	GS 75 W 90	75W-90	API GL-4	MIL-L-2105, ZF TE-ML 08
	GS 80 W	80W	API GL-4	MIL-L-2105, MB-Approval 235.1, MAN 341 Z2/E1 (N), ZF TE-ML 02B, 17A, meets: ZF TE-ML 08
	GS 80 W 90	80W-90	API GL-4	MIL-L-2105, ZF TE-ML 02B, 16A, 17A, 19A, meets: ZF TE-ML 08
	GS 85 W 90	85W-90	API GL-4	MIL-L-2105
	GS 85 W 140	85W-140	API GL-4	MIL-L-2105
	GX 80 W 90	80W-90	API GL-4/GL-5	MIL-L-2105/2105 D, meets: MAN 341 Z1 (N), MAN 342 M1 (N), MB-Approval 235.0/235.1
	GX 80 W 90 ML	80W-90	API GL-4/GL-5 API MT1	MIL-L-2105/2105 D, ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17B, 19B, 21A, MAN 341 E2/Z2, MAN 342 M2, meets: MAN 341 Z1 (N), 342 M1 (N), MAN 3343 M, ZF TE-ML 07A, 08
	GH 75 W 90	75W-90	API GL-4/GL-5	MIL-L-2105 D, meets: VW 501 50 (G50), ZF TE-ML 07A, 08
	GH 80 W 90	80W-90	API GL-5	MIL-L-2105 D, ZF TE-ML 05A, 16B, 17B, 19B, 21A, meets: ZF TE-ML 07A, 08
	GH 85 W 90	85W-90	API GL-5	MIL-L-2105 D, ZF TE-ML 05A, 16C, 17B, 19B, 21A, MAN 342 M1 (N), MB-Approval 235.0, meets: ZF TE-ML 07A, 08
	GH 80 W 140	80W-140	API GL-5	MIL-L-2105 D, meets ZF TE-ML 07A, 08
	GH 85 W 140	85W-140	API GL-5	MIL-L-2105 D, meets ZF TE-ML 07A, 08
	GH 80 W 90 LS	80W-90	API GL-5	MIL-L-2105 D, ZF TE-ML 05C, 12C, 21C, meets: MB-Approval 235.0, MAN 342 M1 (N), Volvo 97310/97314, DAF, ZF TE-ML 07A, 08
	GH 85 W 90 LS	85W-90	API GL-5	MIL-L-2105 D, ZF TE-ML 05C, 12C, 16E, 21C, meets: MB-Approval 235.0, MAN 342 M1 (N), Volvo 97310/97314, DAF, ZF TE-ML 07A, 08

➤	ADDINOL ATF	Typ	International specifications and approvals
	ATF XN Plus	Dexron VI	meets: BMW LT 71141, Hyundai/Mitsubishi SP III, Toyota T-III/T-IV/WS, Ford Mercon/Mercon V/FNR5, Allison C4/TES-295, Aisin Warner AW-1, VW/Audi G-055-025-A2/G-052-162-A1, Mazda ATF-M III/MV, Honda ATF-Z1 etc.
	ATF XN	Dexron III (H)	meets: Mitsubishi SP-II/-III, Nissan Matic C/D/J, Toyota T-III/-IV, D-2, Subaru ATF, Suzuki ATF Oil/ATF Oil Special, Mazda ATF D-III/M-3, Hyundai, Honda ATF-Z1, Kia, GM Daewoo, Isuzu BESCO ATF-II/-III and further
	ATF CVT	CVT	meets: Audi/VW TL 52180/G 052 180, Mercon C, Ford CVT 23/CVT 30, Honda HMMF, Toyota TC, Nissan NS-2, Mitsubishi CVTF-J1/SP-III, Subaru NS-2/Lineartronic CVTF, Hyundai/Kia SP-III, Suzuki TC/NS-2/CVT Green 1, MB-Approval 236.20 and further
	ATF D III	Dexron III	MB-Approval 236.1, MAN 339 V1/Z1 (F), ZF TE-ML 04D, 14A, Voith H55.6335.36 (G 607), meets: Allison C4 (approved C4-18741793), Ford Mercon, GM Dexron III (G-34052)
	ATF D II E	Dexron II E	MB-Approval 236.8, MAN 339 Z2 (D), ZF TE-ML 04D, 09X, 14B, 16L, meets: Voith H55.6335.36 (G 607), Voith H55.6336.XX, Renk (Doromat), Allison C4, Caterpillar TO-2, Ford Mercon (M93-1288), GM Dexron II E-25300
	ATF D II D	Dexron II D	MB-Approval 236.1, MAN 339 V1/Z1 (D), ZF TE-ML 04D, 14A, Voith H55.6335.36 (G 607), Renk (Doromat), meets: Allison C3/C4, Caterpillar TO-2, Ford (ESP-M2C138-CJ/166-H/186-A, SQM-2C9010-A/-B), Volvo (97340/97325/97335) and further
	ATF TASA	A, Suffix A	MB-Approval 236.2, Renk (Doromat)



➤ ADDINOL Engine and Transmission Oils for Passenger Cars



► 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

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.

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-Group, BMW, Mercedes-Benz, Nissan (until the end of 2009), Kia, Hyundai, Suzuki, Mitsubishi, Opel, Subaru, Chevrolet, Fiat
C4	Low SAPS	Renault, Nissan

* 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!)



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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Handed over by: