

SERVICE FLUIDS AND AUXILIARIES.

PRODUCT HIGHLIGHTS.
AUTOMATIC TRANSMISSION OILS.



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**BMW
GROUP**

THE NEXT
100 YEARS 



Rolls-Royce
Motor Cars Limited

SERVICE FLUIDS AND AUXILIARIES.

PRODUCT HIGHLIGHTS.

Product description:

Original BMW transmission oils are specially tested, co-developed and released by BMW. Only the use of the Original BMW products in accordance to requirements of the BMW repair instructions can ensure the maximum quality of a transmission oil.

The original BMW transmission oils have high performance reserves, excellent wear protection, and a favorable frictional behavior. Even under severest operating conditions and high variations in temperatures a flawless function is ensured. In addition, the transmission oils offer outstanding corrosion protection and a compatibility with seals.

Advantages:

- Extreme wear protection.
- Optimal frictional characteristics.
- High thermostability.
- Good oxidation stability.
- No foam building.
- High load-carrying-capacity.
- Best lubricity.
- Good viscosity-temperature-behavior, all-year usable.
- Excellent thermal behavior.

Comparison with competitors:

Releases can **ONLY** be given to oils, which have been approved upon by the BMW research and development department. This involves cost as well as time-intensive test procedures.

Amongst others the following points are checked during the testing of transmissions:

- Cooling and lubrication characteristics of the transmission oil.
- Gearing (for the development of premium, low-noise transmissions).
- Bearing (long lasting bearing technology, minimization of metal abrasion, and therefore prevention of metal chips and abrasions in the transmission system).
- Optimal frictional behavior of the clutch for highest comfort during gear changes.

Completing the test protocol for an automatic transmission can take up to **five** months. Each transmission will complete approx. 95 runs on the test bench during this period. Per development up to 180 vehicles will go through long-term trials.

By using the wrong transmission oil the type approval/homologation of a vehicle might be lost!

Due to the reasons mentioned above ONLY Original BMW transmission oils are released for cars of the BMW Group!

IMPORTANT NOTE:

Only a professional transmission oil change at a BMW/MINI service facility or authorized/certified workshop can minimize the risk of a defective repair. Special trainings and the direct exchange of experiences with the development department result in a wide spread of knowledge and expertise in the BMW organization.

Flushing processes with flushing devices can cause damages in the transmission and therefore are prohibited. Flushing processes without a flushing device must only be executed with a BMW approved transmission oil, as even minimal mixing of the transmission oil with other liquids can have unpredictable consequences, and may cause a write-off of the transmission.

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OVERVIEW AND AREA OF USE OF THE MOST IMPORTANT AUTOMATIC TRANSMISSION OILS:

Vehicle	Transmission designation	Transmission oil	Packaging size
E39, E46, E83	A4S200R/A5S360R/390R (GM 4L40E/5L40-E/Petrol)	Dexron VI	1 Litre, 5 Litre
E39, E46, E83	A5S360R/390R (GM 5L40-E/Diesel)	ATF 1	1 Litre, 5 Litre
E53	A5S36R/390R (GM 5L40E)	ATF 1	1 Litre, 5 Litre
E53, E65, E83, E83 LCI	GA6HP26Z (ZF 6HP26 4WD)	ATF 2	1 Litre, 20 Litre
E60, E61, E60 LCI, E61 LCI, E63, E63 LCI, E64, E64 LCI, E65, E66, E67, E83 LCI	GA6HP32Z (ZF 6HP26 2WD)	ATF 2	1 Litre, 20 Litre
E60, E61, E60 LCI, E61 LCI, E63, E63 LCI, E64, E64 LCI, E65, E66, E67, E83 LCI	GA6HP19Z (ZF 6HP19)	ATF 2	1 Litre, 20 Litre
E38, E39, E53	A5S440Z (ZF 5HP24)	ATF 4	1 Litre
E38, E39, E46, E85	A5S325Z (ZF 5HP19)	ATF 4	1 Litre
E38, E39	A5S560Z (ZF 5HP30)	ATF 4	1 Litre
E36, E38, E39	A5S310Z (ZF 5HP18)	Automatic transmission oil DII	1 Litre
E81, E82, E83 LCI, E84, E87 LCI, E88, E90, E91, E92, E93	GA 6L45R	Dexron VI	1 Litre, 5 Litre
E70, E71, E84, E89, F01, F02, F04, F06, F07, F10, F11, F12, F13, F15, F16, F18, F20, F21, F22, F23, F25, F26, F30, F31, F32, F33, F34, F35, F36, G11, G12	GA8HP45Z/8HP45/GA8HP70H/GA8HP50Z/GA8HP50X/GA8P70H/GA8HP70Z/ GA8HP90Z	ATF 3+	1 Litre
F01, F02 LCI, F10, F10 LCI, F30, F85, F86	GA8HP70H/GA8HP51Z/GA8HP50Z/GA8HP50X/GA8HP51Z/GA8HP51X/ GA8HP75Z/GA8HP75X/GA8HP90Z	ATF 3+	1 Litre
F15, F18 LCI, F30 LCI, G01, G02, G08, G11, G12, G30, G32, G38	GA8HP75H/GA8HP75X/GA8HP50X/GA8HP50Z	ATF 3+	1 Litre
F52, F45, F46, F48, F49, F39	GA6F21AW/GA8F22AW/GA8G45AW/GA8HP50Z	ATF 6	1 Litre
F39, F40, F44, F45, F46, F48, F49, F52, F54, F55, F56, F57, F60	8G45	ATF 7	1 Litre
R50, R52	GACVT16Z	ATF 5	1 Litre
R53, R56, R56 LCI, R55, R55 LCI, R52, R57, R57 LCI, R58, R59, R60, R61	GA6F21WA	JWS 3309	1 Litre

Please note: Only use automatic transmission oils suitable for the respective vehicle. Valid part numbers can always be checked on ETK or in the repair instructions.

