



Car Driveline
Technology

Manual and automatic transmissions for cars

List of lubricants TE-ML 11

Product groups	Approved lubricants for service fills
3HP22, 3HP22Q, 4HP14Q, 4HP18FL, 4HP18FLA ⁽¹⁾ , 4HP18FLE, 4HP18Q, 4HP22, 4HP22EH, 4HP22HL ⁽²⁾ , 4HP24, 4HP24A ⁽¹⁾	Automatic Transmission Fluid (ATF) according to lubricant classes 11A / 11B => see overleaf for approved trade products
5HP18	According to BMW oil pan fill aperture label: 1. without oil pan fill aperture label Automatic Transmission Fluid (ATF) according to lubricant class 11B => see overleaf for approved trade products 2. with oil pan fill aperture label (green plugs) ZF Lifeguardfluid5 => BMW Oil No. 8322 9407807 Warning: use of incorrect lubricant can cause transmission failure
5HP30	According to spare part number of vehicle manufacturer: 1. Shell ATF LA-2634 => BMW Oil No. 8322 9407765 (oil pan fill aperture label) 2. ZF Lifeguardfluid5 => BMW Oil No. 8322 9407807 (oil pan fill aperture label) => Rolls Royce Oil No. PL 31493PA Warning: use of incorrect lubricant can cause transmission failure
4HP20 5HP19 5HP19FL, 5HP19FLA ⁽¹⁾ 5HP19 HL, 5HP19 HLA ⁽¹⁾ 5HP24, 5HP24A ⁽¹⁾	According to spare part number of vehicle manufacturer: ZF Lifeguardfluid5 => Audi Oil No. G 052162A1 => BMW Oil No. 8322 9407807 => Citroen Oil No. Z 000169756 => Jaguar Oil No. JLM 20238 => Mercedes Benz Oil No. A 0019892203 => Peugeot Oil No. Z 000169756 => Porsche Oil No. 999.917.547.00

- (1) Fill differential and transfer box with gear oil Burmah SAF-AG4 (Audi / VW Oil No. N 052145000, Porsche Oil No. 999.917.545.00).
- (2) Fill differential with gear oil API GL-5, MIL-L-2105D, MIL-PRF-2105E, SAE J 3260, SAE grade 75W-90 / 90.

Additives of any kind added **later** to the oil change the oil in a manner that is unpredictable, and they are therefore not permitted. No liability of any kind will be accepted by ZF for any damage resulting from the use of such additives.

Note continuation of the table on page 2!

The list of lubricants TE-ML 11, Edition 08.01.2007 replaces all previous editions. The current list can be requested from any ZF after-sales service center or accessed on the Internet under www.zf.com .	ZF Getriebe GmbH Südring D-66117 Saarbrücken phone: + 49 681 920-2497 fax: + 49 681 920-2388
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Product groups	Approved lubricants for service fills
6HP19, 6HP19X ⁽⁵⁾ 6HP26, 6HP26A61 ^{(1) (3)} 6HP32, 6HP32A ⁽¹⁾ 6HP26X	According to spare part number of vehicle manufacturer: ZF Lifeguardfluid6 => BMW Oil No. 8322 0142516 => Jaguar Oil No. Jaguar Fluid 8432 => Audi Oil No. G 055005A2 => AML Oil No. 4G4319A509/AA/S => Land Rover Oil No. TYK500050 => Bentley Oil No. PY112995PA
6HP26A61 ^{(1) (4)} 6HP19A ⁽¹⁾ 6HP19X ⁽⁶⁾	According to spare part number of vehicle manufacturer: ZF Lifeguardfluid6 Plus => Audi Oil No. G 055162A2

Product groups	Approved lubricants for service fills
S5-31, S5-39, S6-37	According to spare part number of vehicle manufacturer: Esso Gear Oil 304 => BMW Oil No. 2300 1434404 Burmah BOT 338 => BMW Oil No. 2300 7533513
S6-53	According to spare part number of vehicle manufacturer: Esso Gear Oil 304 => BMW Oil No. 2300 1434404 Burmah BOT 338 => VW Oil No. N 05279800 Burmah BOT 338 => BMW Oil No. 2300 7533513

- (1) Fill differential and transfer box with gear oil Burmah SAF-AG4 (Audi / VW Oil No. N 052145000, Porsche Oil No. 999.917.545.00).
- (3) Does not apply for vehicles equipped with Audi W12-engine.
- (4) Only for vehicles with Audi W12-engine.
- (5) Does not apply for Audi Q7.
- (6) Only for Audi Q7.

Lubricant class 11A**Automatic Transmission Fluid (ATF)****Manufacturer (11A)**

ACPA, ALEXANDRIA/E
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/ET
 ARAL AG, BOCHUM/D
 AVIA MINERALÖL-AG, MÜNCHEN/D
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CEPSA LUBRICANTS S.A., MADRID/E
 CEPSA LUBRICANTS S.A., MADRID/E
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, GHENT/B
 CYCLON HELLAS S.A., MAROUSSI ATHENS/GR
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 FUCHS PETROLUB AG, MANNHEIM/D
 GENOL GMBH & CO., WIEN/A
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL
 HUILES BERLIET S.A., SAINT PRIEST/F
 HYDROTEX, CARROLLTON, TEXAS/USA
 IGOL FRANCE SA, AMIENS/F
 KRAFFT S.L., ANDOAIN/E
 KRAFFT S.L., ANDOAIN/E
 LIQUI MOLY GMBH, ULM/D
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MOTUL SA, AUBERVILLIERS CEDEX/F
 NUEVA FL IBERICA S.L., CANOVELLAS/E
 NUEVA FL IBERICA S.L., CANOVELLAS/E
 OMV REFINING & MARKETING GMBH, WIEN/A
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I
 PANOLIN AG, MADETSWIL/CH
 PARS OIL CO, TEHRAN/IR
 PETROGAL S.A., LISBOA/P
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 S.A.E.L., MADRID/E
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 STATOIL LUBRICANTS, STOCKHOLM/S
 SUN OIL COMPANY (BELGIUM) N.V., AARTSELAAR/B
 SUN OIL COMPANY (BELGIUM) N.V., AARTSELAAR/B
 TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 UNIL OPAL, SAUMUR CEDEX/F
 VALVOLINE EUROPE, DORDRECHT/NL

Trade name (11A)

ACPA ATF DEX IID
 AMOC POWER (D-21611)
 ARAL GETRIEBEOL ATF 22
 AVIA FLUID ATF 86
 ATF GM
 BP AUTRAN DX II
 BP AUTRAN MBX
 MOTOREX ATF SUPER
 CASTROL TQ-D (22256)
 CEPSA ATF 70
 ERTOL TRANSMISIONES AUTOMATICAS D2
 TEXAMATIC 4291
 TEXAMATIC B
 TEXAMATIC 4011
 TEXAMATIC 4291
 TEXAMATIC 9226
 ATF TYPE D
 TOR ATF 289
 AGIP ATF II D
 ESSO ATF D2
 MOBIL ATF 220
 TITAN ATF 3000 CHINA
 GENOL ATF MULTIFLUID
 KENDALL ATF DEXRON II D
 RTO STARMATIC
 HY-TORQUE Z (ATF)
 ATF 420
 ATF-D.21247 SAE 10W
 KRAFFT ATF 21247
 LIQUI MOLY ATF DEXRON IID
 INA ATF SUPER
 MEGOL HYDRAULIKOEL ATF DEXRON II D
 LIQUIMATIC D II
 MOTUL DEXRON II D
 ARBOR MTA
 TUTELA GI/A
 OMV ATF D II (D22427)
 PAKELO MULTIPURPOSE TRANSMISSION FLUID II D
 PANOLIN ATF MULTI 21996
 PARS ENTEGHAL AUTOMATIC
 GALP TRANSMATIC D II
 RAVENOL AUTOM.-GETR.-OEL DEXRON D II
 HIDRO ATF
 MATIC ATF
 GULF ATF D II D
 SHELL DONAX TA (D-21631)
 SHELL DONAX TA (D-21666)
 SHELL DONAX TA (D-21774)
 WINTERSHALL ATF D
 STATOIL TRANSWAY DX II
 SUNAMATIC 149
 SUNAMATIC 153
 TEDEX ATF DEXRON II D
 FINAMATIC II D
 TOTAL FLUIDE ATX
 TOTAL FLUIDE II D
 MATIC D
 VALVOLINE ATF TYPE D

Lubricant class 11B**Automatic Transmission Fluid (ATF)****Manufacturer (11B)**

ADDINOL LUBE OIL GMBH, LEUNA/D
AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D
AVIA MINERALÖL-AG, MÜNCHEN/D
BP INTERNATIONAL, PANGBOURNE, READING/GB
CASTROL INTERNATIONAL, PANGBOURNE READING/GB
DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D
DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
IGOL FRANCE SA, AMIENS/F
KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL
MORRIS LUBRICANTS, SHREWSBURY/GB
OMV REFINING & MARKETING GMBH, WIEN/A
PANOLIN AG, MADETSWIL/CH
RAFINERIA NAFTY JEDLICZE SA, JEDLICZE/PL
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
TOTAL LUBRIFIANTS S.A., PARIS/F
TOTAL LUBRIFIANTS S.A., PARIS/F
YACCO, ST PIERRE LES ELBEUF/F
ZELLER + GMELIN GMBH & CO., EISLINGEN/D
ZF GETRIEBE GMBH, SAARBRÜCKEN/D

Trade name (11B)

ADDINOL ATF D III
AGIP DEXRON III
AVIA FLUID ATF 98
BP AUTRAN LTF
CASTROL TRANSMAX Z
PENTOSIN ATF 1
PENTOSIN ATF TYP 2 D
ESSO ATF D (21065)
ESSO ATF LT 71141
ATF 430
KOMPRESSOL-DEXRON SYNTH LTF
Q8 AUTO 15
LIQUIMATIC SUPER ATF
OMV ATF III
PANOLIN ATF DEXRON III
HIPOL ATF III
REPSOL ATF 3
WINTERSHALL ATF III
FINAMATIC HP
TOTAL FLUIDE AT 42
YACCO ATF III
DIVINOL FLUID III F
ZF LIFE GUARD FLUID 5