



## MANNOL ATF AG60 8213

A special all-season synthetic transmission fluid (ATF) for modern 8-speed automatic gearboxes of all types and 6-speed automatic gearboxes of the ZF Group. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy even under extreme loads. It was developed taking into account special requirements set by the VW Group.

Product properties:

- The highest-quality low-viscosity synthetic base with a consistent high viscosity index in combination with a multifunctional additive package preserves all its properties in a wide range of temperatures: it ensures good lubricating properties at low (-45 °C) temperatures in winter and ensures a stable oil film under extreme loads and high temperatures in summer;
- The high-technology combination of additives ensures good antifriction properties for gear couplings and superior friction properties for friction elements thus ensuring a significant fuel economy, a continuous and smooth transmission shift and the increase in the service life of all transmission elements. It ensures a coordinated and smooth operation of clutches. It prevents scuffing;
- It has an increased thermal-oxidative and chemical stability and resistance to the high-temperature thermal degradation throughout the entire service life. It allows reducing lacquering, formation of sludge, soot and other carbon deposits, increasing the time between oil changes and ensuring the durability of transmission components thus reducing the equipment maintenance costs;
- The special additive package enhances the productivity and reliability of hydraulic converters and hydraulic clutches, gear wheels, hydraulic servo drives;
- Due to the addition of special inhibitors, it effectively protects metal parts from ferrous and non-ferrous alloys from corrosion when both in and not in operation;
- It effectively resists aeration, the foam formation and cavitation, has excellent cooling properties; It has low loss by evaporation;
- It ensures a compatibility with all sealing materials, prevents them from swelling, hardening and shrinking that allows reducing the costs for spare parts and prevents leakages;
- It reduces noise.

It is recommended for new-generation 8- and 6-speed transmissions of the ZF Group for Volkswagen, Audi, Seat, Skoda passenger cars and commercial vehicles in which the compliance with the VW G 060 162 requirements and the above-mentioned specifications of European manufacturers, as well as Aston Martin, Ford, Hyundai, Jaguar, Kia, Maserati, Porsche with ZF Group automatic gearboxes is required.

Colour: green.

Comply with the manufacturer's instructions provided in the user's manual!

**Specifications**

JASO M315, Class 1-A-LV

**Approval**

**Recommendation**

AISIN WARNER AW-2  
AISIN WARNER JWS 3309 ATF, ATF-0T4  
AISIN WARNER JWS 3324 ATF, ATF-0WS  
ALLISON C2  
ALLISON C3  
ALLISON C4  
ATF 134  
ATF 3353  
ATF 3100 PL085  
ATF 3403-M115  
ATF D971  
ATF ETL-7045 E  
ATF K17  
ATF L12108  
ATF LA 2634  
ATF M-1375.4  
ATF M-1375.6  
ATF N402  
BENTLEY PY112995PA  
BMW ATF4  
BMW ATF 3+  
BMW ATF6  
BMW ETL-7045  
BMW ETL-7045 E  
BMW ETL-8072B  
BMW LA 2634  
BMW LT 71141  
BMW M-L12108  
BMW 81 22 9 400 272  
BMW 81 22 9 400 275  
BMW 81 22 9 407 858  
BMW 81 22 9 407 859  
BMW 83 22 0 024 249  
BMW 83 22 0 024 359  
BMW 83 22 0 026 922  
BMW 83 22 0 142 516  
BMW 83 22 0 397 114  
BMW 83 22 0 402 413  
BMW 83 22 0 403 248  
BMW 83 22 0 403 249  
BMW 83 22 2 152 426  
BMW 83 22 2 163 514  
BMW 83 22 2 220 438  
BMW 83 22 2 220 440  
BMW 83 22 2 220 442  
BMW 83 22 2 289 720  
BMW 83 22 2 305 396  
BMW 83 22 2 305 397  
BMW 83 22 2 355 599  
BMW 83 22 2 355 601

BMW 83 22 7 542 290  
BMW 83 22 9 407 765  
BMW 83 22 9 407 807  
CASTROL TE-ML 09  
SATURN Z 000169756  
DAIHATSU D3-SP  
FCA 8 & 9 Speed ATF, 68218925AA  
FCA 8 & 9 Speed ATF, 68218925AB  
FCA ASRC  
FCA ATF+  
FCA ATF+2  
FCA ATF+3  
FCA ATF+4  
FCA AW-1 68092912AA  
FCA ATF+4  
FCA DEX-VI 68043742AA  
FCA MB 236.10/12 05127382AA  
FCA 05127382  
FCA 68157995AA  
FCA 68157995AB  
FCA 68333587AA  
FCA SP-4 68171866AA  
FCA SP-III  
FCA SP-IV, 68171866AA  
FCA SP-IV, 68171869AA  
FCA Type 7176E  
FCA Type 9602  
FORD ESP-M2C138-CJ  
FORD ESP-M2C166-H  
FORD XT-10-QLV [LV]  
FORD XT-12-ULV [ULV]  
FORD XT-2-QDX [M]  
FORD XT-2-QDM [Syn]  
FORD XT-5-QM [V]  
FORD XT-5-QSM [V Syn]  
FORD XT-6-QSP [SP]  
FORD XT-8-QAW [Premium]  
FORD XT-9-QMM5 [FRN5]  
FORD Spec WSS-M2C922-A1  
GM ATF Z1, Saturn 22717466  
GM AW-1 19256039  
GM Dex [GM 6032M]  
GM Dex HP [GMW 16974]  
GM DEX ULV, 19352619  
GM Dex-B [GM 6032M]  
GM DEX-IIC [6137M]  
GM Dex-IID [GM 6137M]  
GM Dex-IIE [GM 6137M]  
GM Dex-IIIF [GM 6297M]  
GM Dex-IIIG [GM 6417M]  
GM Dex-IIIH [GM N10055]  
GM Dex-VI [GMW 16444]  
GM 19 40 700  
GM 19 40 767  
GM 21005966  
GM 88900925  
GM 9985010  
GM 9986195

GM Saturn T-IV Fluid  
GM Saturn 22689186  
GLOBAL Type A Suffix A  
GM WS  
GM 88863400  
GM 88863401  
HONDA ATF DW-1 08200-9008  
HONDA ATF Type 3.0 08200-9016-A  
HONDA ATF Type 3.1 08200-9017-A  
HONDA ATF Z1, 08200-9001  
HONDA ATF Z1, 08200-9001A  
ACURA ATF DW-1 08200-9008  
ACURA ATF Type 3.0 08200-9016-A  
ACURA ATF Type 3.1 08200-9017  
ACURA ATF Z1, 08200-9001  
ACURA ATF Z1, 08200-9001A  
HYUNDAI ATF RED-1K  
HYUNDAI ATF SP-IV  
HYUNDAI Genuine ATF  
HYUNDAI JWS 3314  
HYUNDAI 00232-19023  
HYUNDAI 040000C90SG  
HYUNDAI 04500-00140  
HYUNDAI UM040 CH20 Red-1  
HYUNDAI SP  
HYUNDAI SP4-M1  
HYUNDAI SPH-IV  
HYUNDAI SP-II  
HYUNDAI SP-III  
HYUNDAI SP-IV  
HYUNDAI SP-IV-RR  
HYUNDAI WS, spec NWS-9638  
KIA ATF RED-1K  
KIA ATF SP-IV  
KIA Genuine ATF  
KIA JWS 3314  
KIA 00232-19023  
KIA 040000C90SG  
KIA 04500-00140  
KIA UM040 CH20 Red-1  
KIA SP  
KIA SP4-M1  
KIA SPH-IV  
KIA SP-II  
KIA SP-III  
KIA SP-IV  
KIA WS, spec NWS-9638  
ISUZU ATF II  
ISUZU ATF III  
ISUZU Genuine ATF  
ISUZU 08200-9001  
ISUZU SCS  
JAGUAR 02JDE 26444  
JAGUAR Fluid 8432  
JAGUAR JML 20238  
JAGUAR JLM 20292  
JAGUAR JLM 21044  
JAGUAR K17, Jatco 3100 PL085

JAGUAR LT 71141  
JAGUAR WSS-M2C922-A1  
LAND ROVER ATF N402  
LAND ROVER AW-1 LR0022460: LV  
LAND ROVER JWS3309US  
LAND ROVER TYK500050  
LAND ROVER LR023288  
LAND ROVER LR023289  
MAN 339A  
MAN 339D  
MAN 339F  
MASERATI Oil No. 231603  
MAZDA ATF A7  
MAZDA ATF A7  
MAZDA ATF M-5 0000-23-ATF-M5  
MAZDA ATF N-1  
MAZDA ATF S-1  
MAZDA F-1  
MAZDA JWS3317  
MAZDA M3  
MAZDA Type T-IV, JWS 3309 ATF  
MB A 0019892203  
MB ATF 3403-M115  
MB 236,1  
MB 236.10  
MB 236.11  
MB 236.12  
MB 236.14  
MB 236.15  
MB 236.16  
MB 236.17  
MB 236.2  
MB 236.41  
MB 236.5  
MINI ATF JWS 3309  
MINI 83 22 0 402 413  
MITSUBISHI ATF-J2  
MITSUBISHI ATF-J3  
MITSUBISHI Dia Queen ATF-MA1 MZ320775  
MITSUBISHI Dia Queen ATF-PA, 4030401  
MITSUBISHI Dia Queen AW  
MITSUBISHI DII  
MITSUBISHI DIII  
MITSUBISHI SP, MS991156  
MITSUBISHI SP-II  
MITSUBISHI SP-III  
MITSUBISHI SP-IV  
NISSAN Matic W  
NISSAN N402  
NISSAN Fluid A  
NISSAN Matic D  
NISSAN Matic J, 999MP-MTJ00P  
NISSAN Matic K  
NISSAN Matic P, 999MP-MTP10P  
NISSAN Matic S, 999MP-MTS00P  
PEUGEOT Z 000169756  
PORSCHE JWS 3309, 000 043 205 28  
PORSCHE LT 71141

PORSCHE 000 043 204 63  
PORSCHE 000 043 304 00  
PORSCHE 999 917 547 00 (A2)  
PORSCHE 000 043 205 09  
PSA AL4  
PSA AHP20  
PSA B71 2340  
RENAULT DP-0  
RENAULT Matic D2  
RENAULT SATF-D  
Oil no. PL 31493PA  
SAAB ATF HP  
SAAB JWS 3309  
SAAB 93 160 393  
SAAB 93 165 147  
ROLLS\_ROYCE Dex-III G  
ROLLS\_ROYCE T-IV Fluid, 22689186  
SSANGYONG DSIH 5M-52  
SSANGYONG DSIH 5M-66  
SUBARU ATF HP, K0140Y0700  
SUBARU ATF HP SOA635040  
SUBARU ATF-WS  
SUZUKI 2384K  
SUZUKI ATF 3314  
SUZUKI ATF 3317  
SUZUKI ATF 5D06  
SUZUKI Matic D  
SUZUKI Matic J  
SUZUKI Matic S  
TOYOTA ATF FZ  
TOYOTA JWS 3309, Type T-IV, 08886-81015  
TOYOTA JWS 3324, ATF WS or (NWS9638)  
TOYOTA Type D-II  
TOYOTA Type T  
TOYOTA Type T-II  
TOYOTA Type T-III  
VOLVO 1161521  
VOLVO 1161621  
VOLVO 1161640  
VOLVO 1161540  
VOLVO 31256774  
VOLVO 31256775  
VOLKSWAGEN LT 71141  
VOLKSWAGEN G 052 162 (-A1, -A2) [AG4]  
VOLKSWAGEN G 052 533  
VOLKSWAGEN G 052 990 A2  
VOLKSWAGEN G 053 001 A2  
VOLKSWAGEN G 055 005 A2  
VOLKSWAGEN G 055 025 (-A2)  
VOLKSWAGEN G 055 162 A2, A6  
VOLKSWAGEN G 055 540 A2  
VOLKSWAGEN G 060 162 A2  
VOLKSWAGEN G 060 540 A2  
VOLKSWAGEN G US 000 162  
AUDI LT 71141  
AUDI G 052 162 (-A1, -A2) [AG4]  
AUDI G 052 533  
AUDI G 052 990 A2

AUDI G 053 001 A2  
 AUDI G 055 005 A2  
 AUDI G 055 025 (-A2)  
 AUDI G 055 162 A2, A6  
 AUDI G 055 540 A2  
 AUDI G 060 162 A2  
 AUDI G 060 540 A2  
 AUDI G US 000 162  
 ZF LifeguardFluid 5 (S671 090 170)  
 ZF LifeguardFluid 6 (S671 090 255)  
 ZF LifeguardFluid 8 (S671 090 312)  
 ZF LifeguardFluid 9 (AA01 500 001)  
 ZF TE-ML 11A  
 ZF TE-ML 11B

## PACKAGING

	MN8213-1		
1000L	MN8213-IBC	Pallet tank	
208L	MN8213-DR	Drum	
60L	MN8213-60	Drum	
20L	MN8213-20	Plastic	
10L	MN8213-10	Plastic	
	MN8213-4		