



GERMAN ADLER GMBH

Kennedyallee 93

60596 Frankfurt am Main

Phone: +49 69 697 692 10

Fax: +49 69 697 962 15

info@German-Adler.com

www.German-Adler.com

PRODUCT INFORMATION **GERMAN ADLER ATF 9-1 R**

Description

GERMAN ADLER ATF 9-1 R is a high-performance ATF, which is made from hydrocracked base oils, combined with a special additive. GERMAN ADLER ATF 9-1 R is specifically developed in collaboration with a major Asian OEM to meet a new factory fill specification. Japanese & Korean transmissions have ATF performance requirements that are quite different from European transmissions, particularly in their emphasis on Anti-shudder Durability. Shudder is the term used to describe the vehicle vibration caused by stick-slip conditions in the torque converter clutch. The ability of an ATF to prevent shudder over time is determined by Friction Durability – poor friction being the cause of the Shudder.

Application

GERMAN ADLER ATF 9-1 R is used in automatic gears of motor vehicles, power steerings, fluid couplings hydrodynamic converters and in hydraulics of passenger- and commercial cars, busses and construction vehicles. Japanese and Korean OEMs do not give formal Service Fill ATF approvals. GERMAN ADLER ATF 9-1 R is also suitable for Multi-Vehicle applications, combining as it does the requirements of Asian OEMs with US OEM requirements (DEXRON® IIIH and MERCON® performance levels).

Additionally, this product is recommended when the following filling instructions are required:

- GM DEXRON II/II-C/II-D/II-E/III-G/III-H/B/III-F
- Allison C-2, C-3, C-4, TES-295, TES-389
- Aisin Warner JWS 3309
- ATF 3100 PL085/3403-M115/ETL-7045 E/K17/LA 2634/N402
- BMW ATF 4
- BMW ETL 7045/7045E/8072/N402/LA 2634/LT 71141
- BMW P/N 83 22 2 220 438/440
- BMW P/N 83 22 2 220 442
- BMW/Mini P/N 81 22 9 400 272/275
- BMW/Mini P/N 81 22 9 407 858/859
- BMW/Mini P/N 83 22 0 024 249/359
- BMW/Mini P/N 83 22 0 026 922 (BMW 7045 E)
- BMW/Mini P/N 83 22 0 402 413
- BMW/Mini P/N 83 22 0 403 248/249
- BMW/Mini P/N 83 22 7 542 290
- BMW/Mini P/N 83 22 9 407 765 (BMW LA 2634)
- BMW/Mini P/N 83 22 9 407 807 (LT 71141)
- Bosch TE-ML 09
- Daihatsu D3-SP
- Daimler Mercedes MB 236.1/236.2/236.5/236.6/236.7/236.8/236.9
- Daimler Mercedes MB 236.10/236.11/236.12/236.14/236.91
- Fiat Chrysler ASRC, ATF+/ATF+2/ATF+3/ATF +4
- Fiat Chrysler MB 236.10/12, P/N 05127382AA
- Fiat Chrysler P/N 68333587AA
- Fiat Chrysler SP-III
- Fiat Chrysler Type 7176E
- Fiat Chrysler Type 9602
- Ford ESP-M2C138-CJ
- Ford ESP-M2C166-H
- FORD WSS-M2C919-E (Mercon V)
- FORD/Lincoln/Mercury P/N XT-2-QDX [M]
- FORD/Lincoln/Mercury P/N XT-2-QSM [Syn]
- FORD/Lincoln/Mercury P/N XT-5-QM or -DM [V]
- FORD/Lincoln/Mercury P/N XT-8-QAW [Premium]
- FORD/Lincoln/Mercury P/N XT-9-QMM5 [FNR5]
- FORD/Lincoln/Mercury WSS-M2C922-A1
- FORD XT-5-QMC (Mercon V)
- FORD XT-5-QSM (V Syn)
- GM/GMC/Opel/Saturn ATF Z1, P/N 22717466
- GM/GMC/Opel/Saturn P/N 19 40 700/767
- GM/GMC/Opel/Saturn P/N 21005966 (transaxle)
- GM/GMC/Opel/Saturn P/N 88900925/9986195



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- GM/GMC/Opel/Saturn P/N 9985010
- GM/GMC/Opel/Saturn T-IV, Type A Suffix A
- Honda/Acura Z-1 (P/N 08200-9001 & 08200-9001A)
- Honda ATF DPSF-II
- Hyundai/Kia ATF Red-1K
- Hyundai/Kia Genuine ATF
- Hyundai/Kia JWS 3314
- Hyundai/Kia JWS-3309 T4
- Hyundai/Kia P/N 00232-19023
- Hyundai/Kia P/N 04500-00140
- Hyundai/Kia SP/SP-II/III
- Hyundai/Kia P/N U M040 CH-020 Red-1
- Idemitsu ATF HP
- Idemitsu K17
- Isuzu P/N 08200-9001
- Isuzu ATF II/III
- Isuzu Genuine ATF
- Jaso M315, Class 1A, 1A-02
- Jaguar JLM 20238/20292/21044/K17
- Jaguar WSS-M2C922-A1
- Jaguar LT 71141
- Land Rover Texaco ETL-7045E
- Land Rover ATF N402
- Land Rover JWS3309US
- MAN 339 A, D, F
- Mazda ATF M-5, N-1, S-1
- Mazda F-1
- Mazda M3
- Mazda F-1, JWS 3317
- Mazda M-5, P/N XT-9-QMM5
- Mazda M-III, Type T-IV
- Mercon V
- Mitsubishi ATF-J2
- Mitsubishi Dia Queen AW
- Mitsubishi DII/ DIII
- Mitsubishi SP, P/N MS991156
- Mitsubishi SP-II/III
- Mobil ATF 3309
- Mercedes A 0019892203
- Mercedes ATF 3403 -M115
- Nissan/Infinity 402
- Nissan/Infinity Fluid A
- Nissan/Infinity Matic-D/J/K/W
- Porsche P/N 000 043 204 41
- Porsche P/N 000 043 204 63
- Porsche P/N 000 043 205 09
- Porsche P/N 000 043 205 28
- Porsche P/N 999 917 547 00 (A2)
- Porsche LT 71141
- Peugeot P/N Z 000169756
- PSA AL4 / 4HP20, P/N 9730AE
- PSA B71 2340
- PSA Peugeot Citroen P/N Z 000169756
- Renault DP-0, Matic D2, SATF-D
- Rolls Royce Oil No. PL 31493PA
- Renk Genuine Oil
- Saab ATF HP
- Saab P/N 93 160 393
- Saab 3309 - T-IV
- Saturn Dex- IIIG, T-IV Fluid, P/N 22689186
- Shell 3403-M115, LA 2634
- SSANG YONG DSIH 5M-52, 5M-66
- Subaru HP
- Subaru P/N K0140Y0700
- Suzuki 2326/2384K/3314/3317/5D06
- Suzuki Matic D/J
- Toyota/Lexus/Scion Type D-II/T/T-II/T-III/T-IV
- Toyota JWS 3309/3324
- VW/Audi LT 71141
- VW/Audi G 052 025 A, G 052 055
- VW/Audi G 052 162 (A1, A2)
- VW/Audi G 052 990 (A2), G 055 025 (A2)
- VW/Audi US 000 162
- Voith H55.6335.XX
- Voith Svc Bltn # 013 /118
- Volvo P/N 1161521/1161621
- Volvo P/N 1161540 /1161640
- Volvo P/N 1273,41
- Volvo CE 97340, 97341
- ZF TE-ML 05L /11A/11B/21L
- ZF 6 Speed (S671 090 255)
- ZF LifeguardFluid 5 (ZF No. S671 090 170)

Advantages/Benefits

- Prevention of friction vibrations in a reliable manner, thus providing maximum comfort
- Excellent friction coefficient stability over the entire service interval
- The best wear protection properties for reliable operation and the longest service life
- Highest oxidation and ageing
- Reliable protection against corrosion, wear, sludge accumulation and adhesion
- Miscible and compatible with other ATF of the same specification. However, in order to exploit the full product benefits of GERMAN ADLER ATF 9-1 R, a complete fluid change is recommended



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Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m ³	848	DIN 51 757
Viscosity at 40°C	mm ² /s	38,2	DIN 51 562
Viscosity at 100°C	mm ² /s	7,0	DIN 51 562
Viscosity index		150	DIN ISO 2909
Pour point	°C	-45	DIN ISO 3016
Flash point	°C	228	DIN ISO 2592
Colour		red	

The above data are true and correct to the best of our knowledge and belief and reflect the current state of knowledge and our development effort. All rights to changes reserved! The characteristic data indicated are subject to the repeatability and reproducibility of the given test methods.