

TITAN / PENTOSIN

Lubricants for automatic transmission, double clutch, steering gear, hydraulic systems



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



THE RIGHT HIGH-TECH LUBRICANT FOR EVERY APPLICATION

FUCHS oils are the result of the latest research and development by the world's largest independent lubricant specialist. Developed together with leading automobile manufacturers, tailored to satisfy the demands of today's high-tech engines: offering outstanding high-performance, fuel-economy and wear protection. Premium quality from the German automobile industry's leading lubricant OEM. Made in Germany.



TITAN

ATF 9134 FE

Premium Performance ATF with reduced viscosity, especially developed to further optimize fuel-economy and gearbox.

- efficiency of latest generation Mercedes-Benz 9-speed automatic transmissions
- not downwards compatible with previous MB-ATF-Specifications



Specifications:

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Approvals:

MB-APPROVAL 236.17

FUCHS Recommendations:

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TITAN

ATF 7134 FE

Premium Performance ATF with reduced viscosity, especially developed to further optimize fuel-economy and gearbox.

- efficiency of latest generation Mercedes-Benz 7-speed automatic transmissions
- not downwards compatible with previous MB-ATF-Specifications



Specifications:

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Approvals:

MB-APPROVAL 236.15

FUCHS Recommendations:

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TITAN ATF 6000 SL

Premium Performance ATF offering maximum performance in passenger car applications such as automatic transmissions with torque converters or wet clutches as well as power steering systems.

- formulation is licensed according to DEXRON VI
- downwards compatible to any former DEXRON-specification



Specifications:

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Approvals:

DEXRON VI
VOITH H55.6335.xx
ZF TE-ML 09

FUCHS Recommendations:

BMW 81 22 9 400 272
BMW 81 22 9 400 275
BMW 81 22 9 407 738
BMW 83 22 0 397 114
BMW 83 22 0 403 248
BMW 83 22 0 403 249
BMW 83 22 0 432 807
BMW 83 22 9 407 858
BMW 83 22 9 407 859

TITAN ATF 5500

Premium Performance ATF for automatic transmission in motor vehicles. Outstanding base oil quality for optimal cold temperature properties and high ageing stability.

- durable friction properties for excellent wet clutch performance



Specifications:

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Approvals:

MAN 339 TYPE V1 / V2 / Z3 / Z12
MB-APPROVAL 236.9
VOITH 150.014524.xx
ZF TE-ML 04D, 14C, 16M, 20C (ZF001797)

FUCHS Recommendations:

DEXRON III (H)
ALLISON TES 295 / TES 389
MAN 339 TYPE Z4
VOLVO 97341

TITAN

ATF 5005

Premium Performance ATF for automatic transmission in motor vehicles.

- outstanding base oil quality for optimal cold temperature properties and high ageing stability
- durable friction properties for excellent wet clutch performance
- high friction level constant over lifetime for outstanding wet clutch-performance
- reliable wear protection



Specifications:

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Approvals:

MAN 339 TYPE L1 /V2 /Z2
 MB-APPROVAL 236.6
 VOITH H55.6336.xx
 ZF TE-ML 04D, 14B, 16L, 17C (ZF000717)

FUCHS Recommendations:

DEXRON III (H); ALLISON TES 295;
 ALLISON TES 389;
 BMW 81 22 9 400 272/81 22 9 400 275,
 83 22 0 403 248/83 22 9 407 738/
 83 22 9 407 807/83 22 9 407 858/
 83 22 9 407 859; FORD MERCON V,
 MAN 339 TYPE Z3; OPEL 19 40 707;
 VOLVO 97341; VW TL 521 62 (G 052 162);
 ZF TE-ML 02F, 11B, 14C

TITAN

ATF 1

Ultra High Performance ATF especially developed for highly stressed step automatic transmissions in passenger cars as well as in commercial vehicles.

- one of the few products which are approved by VOITH according to the 150.014524.xx specification for maximum change interval of up to 180.000 km



NEW

Specifications:

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Approvals:

VOITH 150.014524.xx
 ZF TE-ML 04D, 11B, 14B, 16L, 17C
 (ZF000734)

FUCHS Recommendations:

BMW 83 22 9 407 807
 CHRYSLER MS 9602 (ATF +4)
 CITROËN/PEUGEOT Z 000 169756
 DEXRON III
 JAGUAR JLM 20238
 MB-APPROVAL 236.11
 PORSCHE 999.917.547.00
 VW TL 521 62 (G 052 162)

TITAN ATF 4400

Ultra High Performance ATF specifically formulated for Japanese passenger cars and light commercial vehicles.

- durable, outstanding friction stability for optimal clutch- and shifting behaviour
- outstanding base oil quality for optimal cold temperature properties and high ageing stability
- high torque capacity exceeds the performance of many original fluids



Specifications:
JASO M315 TYP 1A

Approvals:
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FUCHS Recommendations:
DEXRON III; AISIN WARNER/AW-1; BMW MINI 83 22 0 402 413/83 22 7 542 290; CHRYSLER MS7176E/9602 (ATF +3/+4); DAIHATSU ALUMIX ATF MULTI; FIAT TYPE T-IV/9.55550-AV4; FORD MERCON, M2C924-A/M2C922-A1; GM 9986195; HONDA ATF Z-I; HYUNDAI SP III, SP IV; ISUZU BESCO ATF -II/ATF -III; JATCO 3100 PL085/FWD (N402)/JF506E (K17); JWS 3309/TYP T-IV; KIA SP-IV; MAZDA ATF D-III/ATF M-3; MITSUBISHI SP-II/-III; NISSAN MATIC C/D/J/S; SAAB 3309; SUBARU ATF OIL/ATF OIL SPECIAL/ATF HP; SUZUKI ATF 3309/3317; TOYOTA TYP D-2/T/T-II/T-III/T-IV/WS; VW G 052 990/055 025

TITAN ATF 4134

Ultra High Performance ATF, specially developed to optimise shifting performance of Mercedes-Benz automatic transmissions.

- enhanced for Mercedes-Benz 7-step-automatic transmissions (NAG2)
- distinguished through its fuel-efficiency potential
- improved shifting comfort



Specifications:
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Approvals:
MB-APPROVAL 236.14
SSANG YONG
(MB-automatic-transmissions)

FUCHS Recommendations:
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TITAN

ATF 4000

Ultra High Performance ATF for use in automatic transmissions as well as other ATF applications.

- improved low-temperature shifting compared to DEXRON II
- offers outstanding shifting comfort
- approved for machinery and gearboxes when DEXRON III (H) is specified



Specifications:

Approvals:

ALLISON C-4; ALLISON TES-389 ;
DEXRON III (H); MAN 339 TYPE L1/V1/Z1
MB-APPROVAL 236.1, 236.9;
VOITH H55.6335.XX; VOLVO 97341;
ZF TE-ML 04D, 14A (ZF000728)

FUCHS Recommendations:

BMW 81 22 9 400 272/81 22 9 400 275/
81 22 9 407 738/83 22 0 403 248/
83 22 9 407 765/83 22 9 407 807/83 22
9 407 858/83 22 9 407 859; CAT TO-2;
FORD MERCON; OPEL 19 40 707,
OPEL 19 40 767; VW TL 521 62 (G 052
162); ZF TE-ML 02F, 03D, 09, 11B, 17C

TITAN

ATF CVT

Ultra High Performance ATF specially designed for use in many CVT-gearboxes using push-belts or transmission chains made of steel. Developed for Mercedes-Benz A- and B-class.

- prevents successfully from wear on chain/belt of modern continuously variable transmissions (CVTs)
- maintains defined friction properties over lifetime on clutches as well as in the variator system and thus enables reliable transmission of maximum torque



Specifications:

Approvals:

MB-APPROVAL 236.20
FORD WSS-M2C928-A

FUCHS Recommendations:

BMW 83 22 0 136 376/83 22 0 429 154;
CHRYSLER CVTF+4; DAIHATSU AMMIX
CVTF-DC/-DFE; DODGE/JEEP NS-2/CVTF+4;
FORD WSS-M2C933-A/MERCON C; GM
DEX-CVT; HONDA HCF-2; HYUNDAI/KIA
SP-CVT1; MAZDA CVTF 3320; MITSUBISHI
CVTF-J1/J4; NISSAN NS-1/NS-2/NS-3;
SUBARU Lineartronic CV-30/CVTF/
CVTF II/E-CVT/iCVT; SUZUKI TC/NS-2/
CVT Green 1/CVT Green 2/CVTF 3320;
TOYOTA TC/CVT FE; VW TL 521 80 (G
052 180); VW TL 525 16 (G 052 516)

TITAN ATF 3353

Ultra High Performance DEXRON III-generation-ATF for automatic transmissions as well as any other ATF applications.

- developed for the first generation of Mercedes-Benz 7-step-automatic transmissions (NAG2)
- applicable as well for the predecesing 5-step-automatic transmissions (NAG1) except the A- and B-class
- offers fuel-efficiency potential



Specifications:

Approvals:

MB-APPROVAL 236.12
VW TL 52533 (G 052 533)

FUCHS Recommendations:

DEXRON III
BMW 83 22 9 407 765
FORD M2C195-A
FORD M2C202-B
FORD M2C922-A1
SSANG YONG

TITAN ATF 3000

Super High Performance DEXRON II (D) ATF for automatic transmissions in commercial vehicles, machinery and passenger cars according to manufacturer's documentation.

- suitable for all gearboxes and machinery designed to use DEXRON II lubricants
- reliable protection against wear, sludge, gumming and corrosion
- offers complete reliability of automatic transmissions, power steering and hydraulic systems regardless of load over the entire life of the oil



Specifications:

Approvals:

MAN 339 TYPE L2/V1/Z1
MB-APPROVAL 236.1
VOITH H55.6335.xx
ZF TE-ML 04D, 14A (ZF000720)

FUCHS Recommendations:

DEXRON II (D); ALLISON C-4;
BMW 81 22 9 400 272/81 22 9 400 275/
81 22 9 407 738; CAT TO-2;
FORD MERCON; FORD M2C185-A,
M2C138-CJ, M2C166-H, M2C9010-A;
OPEL 19 40 700, 19 40 707;
RENK-DOROMAT;
ZF TE-ML 02F, 03D, 09, 11A, 17C

TITAN

ATF 10

High Performance ATF for transmissions, power steering systems and hydraulic drives which require a GM-specification TYPE A, Suffix A fluid.

- can be used in older machinery with TASA, MB or MAN specifications
- if permitted by the manufacturer, can also be used in turbo- and servo-clutches as well as other hydraulic systems



Specifications:

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Approvals:

MB-APPROVAL 236.2

FUCHS Recommendations:

TASA

MAN 339 TYPE A



FUCHS was the only lubricant supplier presented with the Volkswagen Group Award 2014. Volkswagen recognized FUCHS for innovation, R&D, product quality and competent project management. Benefit from the outstanding experience of one of the leading development-partners and factory-fillers to the German automobile industry. Benefit from FUCHS.

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PENTOSIN

FFL-52529

Premium Performance DCTF with XTL-Technology. Specially developed for the Audi DL382 Double Clutch Transmission with wet clutch.

- provides optimum wear protection and excellent friction properties even under hard conditions
- good cold start performance and low oil consumption



Specifications:

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Approvals:

VW TL 52 529-C (G 055 529)

FUCHS Recommendations:

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PENTOSIN

FFL-2

Premium Performance DCTF. Specially developed for VW Double Clutch Transmission with wet clutch.

- provides optimum wear protection and excellent friction properties even under hard conditions
- offers best shifting performance over the whole lifetime



Specifications:

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Approvals:

JAC DTF630

VW TL 52 182 (G 052 182)

FUCHS Recommendations:

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PENTOSIN FFL-3

Premium Performance DCTF. Specially developed for ZF/ Porsche Double Clutch Transmission with wet clutch.

- provides optimum wear protection and excellent friction properties even under hard conditions
- offers best shifting performance over the whole lifetime



Specifications:

Approvals:

MB-APPROVAL 236.24
ZF TE-ML 11 (ZF001747)

FUCHS Recommendations:

BMW 83 22 2 167 666 (MTF-LT-5)
JAGUAR LAND ROVER
GX73-M1R564-AA
PORSCHE 999 917 080 00

PENTOSIN FFL-4

Premium Performance DCTF. Specially developed for GETRAG/ BMW Double Clutch Transmission with wet clutch.

- combines optimum wear and tear prevention with excellent friction stability
- provides reliable corrosion and sludge protection



Specifications:

Approvals:

GETRAG (PWA05043)

FUCHS Recommendations:

BMW 83 22 0 440 214
BMW 83 22 2 147 477
BMW 83 22 2 148 578
BMW 83 22 2 148 579
MCLAREN: MP4-12C

PENTOSIN

FFL-6

Premium Performance DCTF. Specially developed for BYD Double Clutch Transmission with wet clutch.

- provides optimum wear protection and excellent friction properties even under hard conditions
- offers best shifting performance over the whole lifetime



NEW

Specifications:

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Approvals:

BYD 6DT35;
(Q/BYD-A1909.0058-2013)

FUCHS Recommendations:

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PENTOSIN

FFL-RACING

Premium Performance DCTF. Specially developed for highly stressed double clutch transmissions.

- friction characteristics specially adapted to dual clutch systems under racing applications
- reliably protects against corrosion, wear and sludge



NEW

Specifications:

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Approvals:

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FUCHS Recommendations:

NISSAN GT-R (R35)

PENTOSIN CHF 11S

Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers.

Product dyeing: green.

- excellent performance at low temperatures
- outstanding oxidation and aging stability



Specifications:
FORD M2C204-A

Approvals:
CHRYSLER MS-11655B
MAN M 3289
MB-APPROVAL 345.0
PSA S71 2710
ZF TE-ML 02K (ZF000832)
VW TL 52 146 (G 002 000)

FUCHS Recommendations:
BENTLEY JNV862564F
BMW 81 22 9 407 758/82 11 1 468 041/
83 29 0 429 576
FENDT X 902 011 622
OPEL B 040 0070
PORSCHE 000 043 203 33
SAAB 3032 380
VOLVO 1161529

PENTOSIN CHF 202

Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers.

Product dyeing: green.

- excellent performance at low temperatures
- outstanding oxidation and aging stability



Specifications:
FORD M2C204-A2

Approvals:
HYUNDAI 00232-19017
OPEL B 040 2012
VW TL 52 146.01 (G 004 000)

FUCHS Recommendations:
AUDI/VW G 004 012
PORSCHE 000 043 206 56
SAAB 93160548
VOLVO 30741424
LAND ROVER LR003401

PENTOSIN CHF 5364 B

Premium Performance Central Hydraulic Fluid approved by Mercedes-Benz for level control systems in passenger cars formulated with fully-synthetic base oils.

Product dyeing: none.

- OEM proven technology
- high oxidation stability
- excellent Cold Flow Properties



NEW

Specifications:

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Approvals:

MB-APPROVAL 344.0

FUCHS Recommendations:

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PENTOSIN LHM+

Ultra High Performance Central Hydraulic Fluid for use in the comfort and safety area of PSA vehicles.

Product dyeing: green-yellow.

- officially approved by PSA
- excellent cold start properties



Specifications:

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Approvals:

PSA B71 2710

FUCHS Recommendations:

IVECO 18-1823

MASSEY FERGUSON

NH 610A

SDFG OF1611S

PENTOSIN

PSF

Super High Performance Power Steering Fluid approved by Mercedes-Benz for passenger cars and commercial vehicles.
Product dyeing: none.

- OEM proven technology



Specifications:

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Approvals:

MB-APPROVAL 236.3

FUCHS Recommendations:

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Note

The information contained in this brochure is based on the experience and expertise of FUCHS SCHMIERSTOFFE GMBH in the development and manufacture of lubricants and represents the current state of the art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pretreatment, possible external contamination, etc. For this reason, it is not possible to make universally valid statements about the function of our products. Our products must not be used in aircraft/spacecraft or parts thereof. This does not apply insofar as the products can be removed again before components are fitted in an aircraft/spacecraft. The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the products are used. It is the responsibility of the user to test the functional suitability of the products and to use them with the corresponding care. Our products are subject to continuous further development. We therefore retain the right to change our product range, the products, and their manufacturing processes as well as all details in this brochure at any time and without warning, provided that no customer-specific agreements exist that require otherwise.

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