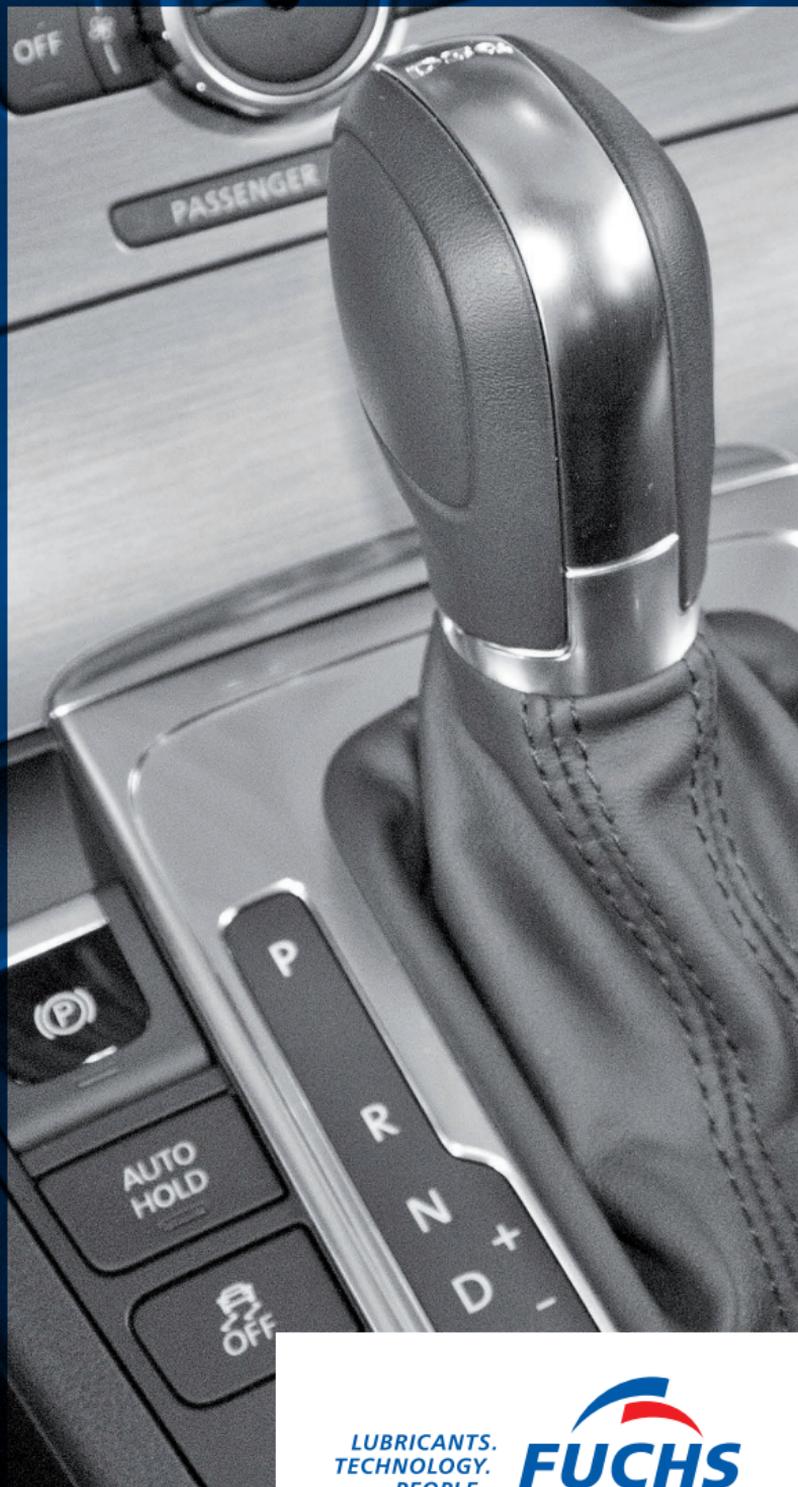


TITAN / PENTOSIN

**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.



TITAN

ATF 7134 FE

Premium Performance ATF with reduced viscosity, especially developed to further optimise 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 236.15

FUCHS Recommendations:

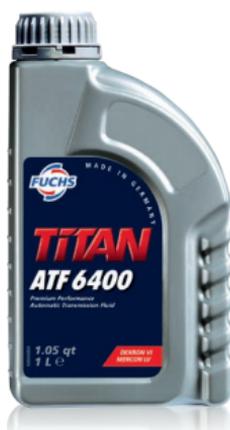
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TITAN

ATF 6400

Premium Performance ATF with reduced viscosity specifically formulated for automatic transmissions of Japanese and American manufacturers.

- ultimate anti-shudder performance ensuring a smoother driving experience
- superior industry tested wear protection
- outstanding friction control providing excellent shifting performance



Specifications:

JASO M315 TYPE 1A-LV

Approvals:

DEXRON VI

FORD MERCON LV

FUCHS Recommendations:

AISIN WARNER/AW-1

GM 9256039/8886340

HONDA DW-1

HYUNDAI SP IV

JWS 3324

NISSAN MATIC S

TOYOTA TYPE WS

VW G 055 540 A2

TITAN ATF 6009

Premium Performance ATF, specially developed to optimise the shifting performance of latest generation ZF automatic transmissions.

- ultimate anti-shudder performance ensuring a smoother driving experience
- superior industry tested wear protection
- outstanding friction control providing excellent shifting performance



Specifications:

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Approvals:

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FUCHS Recommendations:

BMW 83 22 2 289 720 (ATF 3+)
HONDA ATF TYPE 3.1
ZF AA01.500.001

TITAN ATF 6008

Premium Performance ATF, specially developed to optimise the shifting performance of ZF automatic transmissions.

- delivers improved friction control providing excellent shifting performance
- strong anti-shudder performance ensuring a smooth drive
- robust oxidation performance to keep the transmission clean and running effectively



Specifications:

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Approvals:

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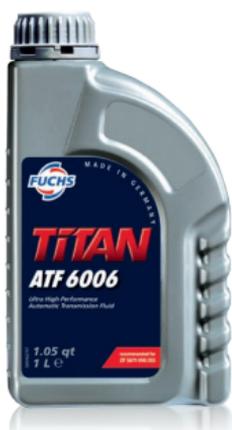
FUCHS Recommendations:

BMW 83 22 2 289 720 (ATF 3+)
CHRYSLER 68157995AA
JAGUAR 02JDE 26444
LAND ROVER LR023288
VW G 060 162
ZF 5671 090 312

TITAN ATF 6006

Ultra High Performance ATF, specially developed to optimise the shifting performance of ZF automatic transmissions.

- good friction control properties providing strong shifting performance
- excellent durability and oxidation control to keep the transmission clean and functioning
- strong shear stability to retain lubricant viscosity and flow



Specifications:

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Approvals:

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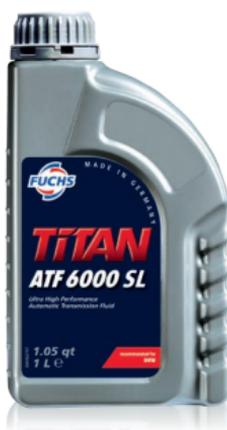
FUCHS Recommendations:

BENTLEY PY112995PA
 BMW 83 22 0 142 516
 HYUNDAI 040000C90SG
 JAGUAR FLUID 8432
 LAND ROVER TYK500050
 MASERATI 231603
 VW G 055 005
 ZF S671 090 255

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:

Approvals:

MAN 339 TYPE V1 / V2 / Z3 / Z12
MB 236.9
VOITH 150.014524.xx
VOLVO 97341
ZF TE-ML 04D, 14C, 16M, 16S, 20C,
25C (ZF001797)

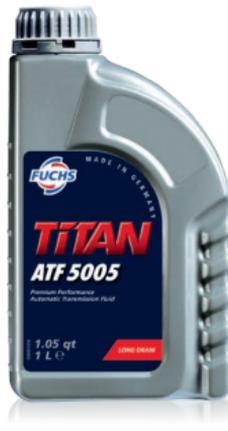
FUCHS Recommendations:

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

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:

Approvals:

MAN 339 TYPE L1 / V2 / Z2
MB 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



Specifications:

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Approvals:

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

FUCHS Recommendations:

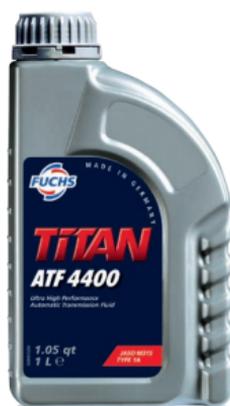
BMW 83 22 9 407 807
CHRYSLER MS 9602 (ATF +4)
CITROËN/PEUGEOT Z 000 169756
DEXRON III
JAGUAR JLM 20238
MB 236.11
PORSCHE 999.917.547.00
VW TL 521 62 (G 052 162)

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-1; 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 it's fuel-efficiency potential
- improved shifting comfort



Specifications:

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Approvals:

MB 236.14
SSANG YONG
(MB-automatic-transmissions)

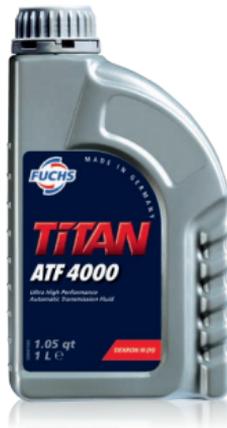
FUCHS Recommendations:

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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:

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Approvals:

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

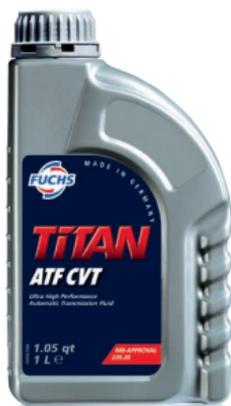
FUCHS Recommendations:

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 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 236.12
VW TL 52533 (G 052 533)

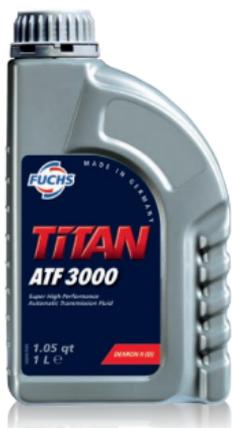
FUCHS Recommendations:

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 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:

Approvals:

MB 236.2

FUCHS Recommendations:

TASA
MAN 339 TYPE A

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 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
BMW 83 22 2 446 673
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



Specifications:

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Approvals:

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

FUCHS Recommendations:

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PENTOSIN

FFL-8

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

- coefficient of friction characteristics specially adapted to ZF dual clutch systems
- provides optimum shifting behavior even at the highest loads and sporty driving conditions
- best wear protection with excellent friction stability and increase in fuel efficiency



Specifications:

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Approvals:

ZF TE-ML 11 (ZF002271)

FUCHS Recommendations:

PORSCHE 000 043 210 44
PORSCHE 971 094 307 02A

PENTOSIN FFL-10

Premium Performance DCTF. Specially developed for Mercedes-Benz-9-speed Double Clutch Transmissions 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:

MB 236.22

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



Specifications:

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Approvals:

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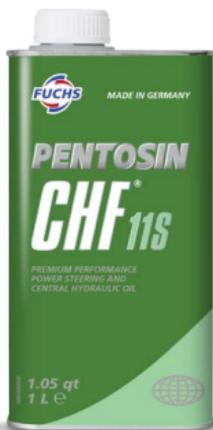
FUCHS Recommendations:

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

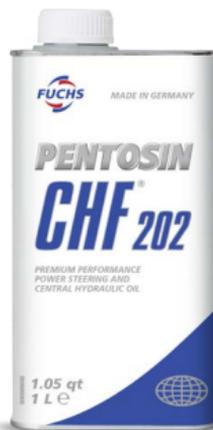
Approvals:
CHRYSLER MS-11655B
MAN M 3289
MB 345.0
PSA 571 2710
ZF TE-ML 02K (ZF000832)
VW TL 52 146 (G 002 000)

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

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



NEW



Specifications:

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Approvals:

MB 344.0

FUCHS Recommendations:

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Specifications:

—

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



NEW

Specifications:

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Approvals:

MB 236.3

FUCHS Recommendations:

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Note

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS in the development and manufacturing of lubricants and represents 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 pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. Our products must not be used in aircrafts / spacecrafts or their components, unless such products are removed before the components are assembled into the 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 LUBRICANTS application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid.

Contact:

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