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## - Certificate / Product Information -

### RAVENOL ATF T-WS Lifetime

Art. 1211106

ATF Professional Line

#### Description:

**RAVENOL ATF T-WS Lifetime** is automatic transmission oil ATF on the basis of the latest technology of the HC/HT hydrocrack oils and PAO. Because of the special formulation the durability is twice the time than a comparable ATF oil.

**RAVENOL ATF T-WS Lifetime** fulfils the transmission oil specifications for latest automatic transmissions of Toyota and Aisin Warner.

#### Application Directions:

**RAVENOL ATF T-WS Lifetime** is recommended for latest automatic transmissions of Toyota and Aisin Warner.

LEXUS / TOYOTA: AB60F, A750E(F), U341E(F), U140E(F), U250E, U241E, U151E(F), U340E.

Aisin TF-80SC (AWF21, AF40-6, AM6, AW6A-EL), TF-81SC (AF21 and AWF-21) for Alfa Romeo 159 - 1.9 JTDm, 2.4 JTDm, 3.2 JTS Alfa Romeo Brera - 2.4 JTDm, 3.2 JTS Alfa Romeo Spider - 2.4 JTDm, 3.2 JTS Cadillac BLS - 1.9 D, 1.9 D (TST), Chevrolet Cruze (US market, 2.0L Turbo Diesel), Citroën C4, Citroën C5, Citroën C6, Citroën DS4, Citroën DS5, Fiat Croma - 1.9 JTDm, 2.4 JTDm, Ford Five Handred, Ford Fusion, Ford Mondeo, Lancia Delta (2008) - 1.8 DI Turbo, Land Rover Freelander 2, Land Rover, Range Rover Evoque, Lincoln Zephyr, Lincoln MKZ, Mazda 6, Mazda CX-7, Mazda CX-9, Mazda MPV, Mercury Milan, Mercury Montego, Opel/Vauxhall Astra, Opel / Vauxhall Vectra / Signum, Opel / Vauxhall Zafira, Opel / Vauxhall Insignia, Peugeot 307, Peugeot 308, Peugeot 407, Peugeot 508, Peugeot 607, Peugeot 3008, Peugeot 5008, Renault Espace, Renault Vel Satis, Saab 9-3 - 1.9 TiD, 1.9 TTiD, Volvo C30 D3 and D4, Volvo S40 D3 and D4, Volvo V50 D3 and D4, Volvo S60 2.4D, D5, D5 AWD, T6 AWD and R AWD 06-07, 08- Volvo V60 D3, D5, D5 AWD, T6 AWD, Volvo S80 2.5T, 3.2, T6 AWD, V8 AWD, D5 and D5 AWD, Volvo V70 2.5T, 3.2, T6 AWD, 2.4D, D5, D5 AWD and R AWD 06-07, 08- Volvo XC60, Volvo XC70, Volvo XC90 3.2 and V8 AWD, Aisin TF60SN, TF61SN and TF62SN, VW 09G, 09K, 09M for Volkswagen, Audi, Skoda.

#### Quality Classification:

**RAVENOL ATF T-WS Lifetime** is tried and tested for aggregates specifying:

Recommendations: Toyota 08886-02305/00289-ATFWS/08886-81210, Toyota / Lexus JWS3324, Chrysler 05189978AA, Chrysler 05189979AA, Chrysler Mopar AS68RC, Aisin Warner Automatic Gearbox from 2008, VW/AUDI Getriebe 0C8 (Touareg 2011-, Q7 2010-), VW G055540A2, ISUZU 2-90531-200-0, 2-90531-201-0, VOLVO 31256774, VOLVO 31256775, VOLVO 31256776, Land Rover LR022460, Fiat 9.55550-AV2.

#### Technical Characteristics:

**RAVENOL ATF T-WS Lifetime** offers:

- phenomenal resistance of lubricant failure under hard operating conditions
- a longer oil durability, extension of the durability of the transmission, offers longer changing intervals
- phenomenal resistance of oil sludge and deposit accumulation
- an excellent oxidation resistance and thermic stability
- a superior corrosion protection, a much better foaming resistance for a smooth switching operation as well
- as a lower corrosion of the bearings, sleeves and gear wheels
- an excellent flow behaviour at low temperatures
- a more constant switching operation performance, optimised friction characteristics
- prevention of coupling grinding regarding modulation rotary conversion
- a longer durability of oil and coupling, offers a smooth switching operation at low temperatures
- much better fuel economy and a better torque transfer than DEXRON III (H) ATF
- an improved shear stability

#### Technical Values:

Characteristics	unit	data	test according to
<b>Colour</b>		red	visual
<b>Density</b> at 20 °C	kg/m <sup>3</sup>	849	EN ISO 12185
<b>Pour point</b>	°C	-54	DIN ISO 3016

All indicated data are approximate values and are subject to the commercial fluctuations.

RAVENOL special transmission fluid is special development for special gear and cannot be selected on the basis of technical parameters (viscosity, etc.). Therefore the decision was made not to give technical data.

**Please note:** RAVENOL special transmission fluid is exclusively to apply under the original number, as indicated in the product information. Not sure of the correct transmission fluid, you can ask your garage or the car dealer with respect to the original OEM gear type and number or consult our advisers. It must be specified the VIN code (Vehicle Identification Number) of your vehicle.

Misapplication of RAVENOL special transmission fluid can lead to malfunction of the transmission shifting problems, increased fuel consumption, unwanted slip behavior, etc. cause and cause the failure of the transmission.

Ravensberger Schmierstoffvertrieb GmbH does not liable for transmission failures in case of wrong selection of RAVENOL special transmission fluid.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.

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