

# TRANSMISSION FLUID ATF WS

**AUTOMATIC  
TRANSMISSION FLUID**

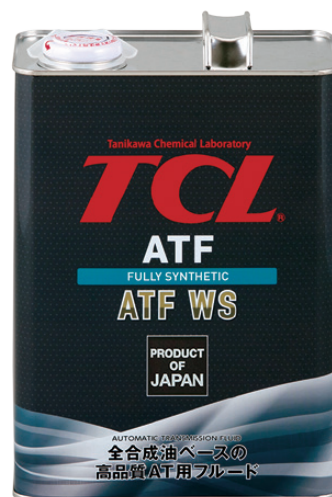
**Recommended for Toyota ATF WS standard.  
Provides comfortable driving feel  
and reliability!**

TCL ATF WS enables smooth shift change by suppressing shift shock under wide range of temperature from extreme cold to hot, and provides comfortable drive feeling. Proper torque transmission by optimal friction characteristics realizes pleasant start and acceleration. Excellent shear stability, oil film strength and abrasion resistance extend the service life of AT. High performance ATF that covers from fuel saving to sports mode.

**A T F**

**FULLY SYNTHETIC**

**ATF WS**



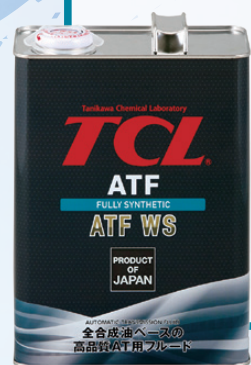
Item Code	Package
A001TYWS	1L × 20pcs
A004TYWS	4L × 6pcs
A020TYWS	20L × 1pc

Tanikawa Chemical Laboratory

**TCL**®



# TRANSMISSION FLUID ATF WS



**AUTOMATIC  
TRANSMISSION FLUID**

**A T F**  
FULLY SYNTHETIC  
**ATF WS**

## ■ Product features

- Compatible with TOYOTA ATF WS, and can be used for cars which are recommended to use Auto Fluid WS.
- Despite the low viscosity, owing to high-quality additives, provides superior protection performance for automatic transmission.
- Meeting the technical requirements of the latest type AT which is becoming higher performance, provides comfortable drive-feeling and reliability.
- With excellent shear stability, oil film strength and abrasion resistance, reduces friction of the transmission to prolong the life of the transmission.
- Excellent low temperature fluidity improves transmission efficiency and startability, and improves lubrication even in low temperature conditions.
- Cannot be used for cars which are designated to use their exclusive ATF. Don't use also for CVT cars.
- Before exchanging ATF, make sure to check AT has no problem or damage. Exchanging ATF without prior check might be a cause of troubles and claims.

## ■ Representative physical properties

Appearance		Clear Red
Density (15°C)	g/cm <sup>3</sup>	0.8441
Color (ASTM)		-
Flash point (COC)	°C	242
Pour point	°C	<-48.0
Viscosity (-40°C)	mPa·s	11,110
Kinematic viscosity (40°C)	mm <sup>2</sup> /s	27.38
Kinematic viscosity (100°C)	mm <sup>2</sup> /s	5.748
Viscosity index		159
Base number (PCA)	mgKOH/g	3.8
Foaming test (Seq II)	ml	0/0

## ■ Specifications

Usage	Automatic Transmission Fluid
Product Line	ATF
Product Name	TCL ATF WS
Base Oil	Fully Synthetic



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