

# The TRUTH COOLANTS/ANTIFREEZE

**BECK/ARNLEY**  
GENUINE Foreign Nameplate Parts

**VS. The Competition**

## ALUMINUM CORROSION TEST (ASTM 4340-10)

The test evaluates the effectiveness of engine coolants in combating corrosion of aluminum casting alloys. After only 7 days, the results are gut wrenching. Imagine the corrosion over the lifetime of the coolant.

**BECK/ARNLEY**  
GENUINE Foreign Nameplate Parts  
**Competition**

	BEFORE TEST	DAY 2	DAY 5	DAY 7	WEIGHT CHANGE
<b>CONCENTRATE</b> 					<b>0.0</b> (mg/cm <sup>2</sup> /week)
<b>PRE-DILUTED</b> 					<b>0.0</b> (mg/cm <sup>2</sup> /week)
<b>BRAND 1</b> 					<b>-0.2</b> (mg/cm <sup>2</sup> /week)
<b>BRAND 2</b> 					<b>-0.2</b> (mg/cm <sup>2</sup> /week)

- The test is significant as aluminum is the most abundant metal in engines. Debris resulting from corrosion can accumulate in the radiator passages reducing efficiency and leading to additional **long term damage of the cooling system**.
- Neither of the Beck/Arnley products showed corrosion nor weight change at the end of the test.
- Both aftermarket coolants **showed corrosion of the aluminum** test piece as well as **weight loss**.
- This test demonstrates the uncompromising quality and superiority of Beck/Arnley's coolant/anti-freeze.

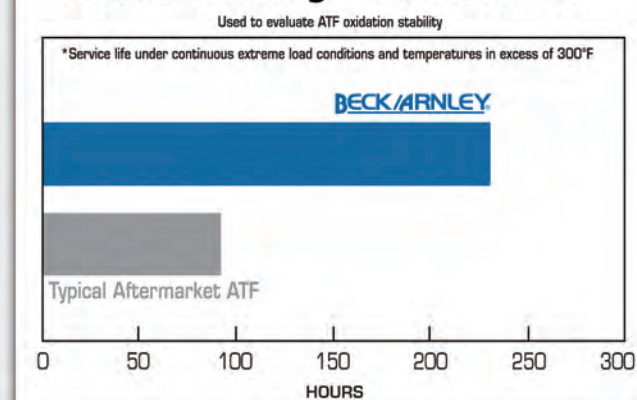
# The TRUTH AUTOMATIC TRANSMISSION FLUIDS

Beck/Arnley Premium OE ATFs utilize superior quality, high-performance base oils compared to typical aftermarket ATFs. This provides superior oxidation stability which prolongs the life of the ATF's original frictional properties.

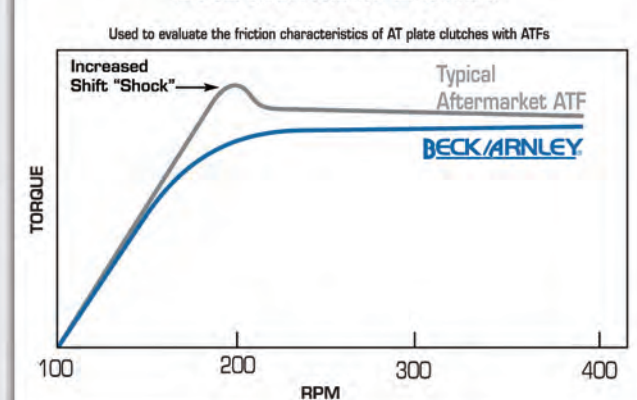
Beck/Arnley Premium OE Automatic Transmission Fluid contains carefully selected additives including a unique mix of friction materials for the specific pressure settings present in each Asian OEM automatic transmission.

This promotes optimum shift quality, including smooth shifting in extreme temperatures; and helps prevent transmission "shudder" (shifting becomes rough and jerky) and "shift shock" (momentary interruption in power that can cause a "lurch").

## Indiana Stirring Oxidation Test\*



## SAE Number 2 Test



Actual Beck/Arnley ATF Base Oil (left), compared to Typical Aftermarket ATF Base Oil (right).

## Anti-Wear Performance Test

Test Method: Shell 4 Ball Test

### Results:

Beck/Arnley ATF has **better anti-wear performance and protects the transmission better than a Mass Market ATF**

Test method		unit	B/A ATF	Mass Market ATF
Size of wear trace	1500rpm,392N, 100C, 60min	mm	0.54	0.67
	1800rpm,392N, 80C, 30min	mm	0.47	0.53
Load of wear start		N	1,569	785
Load of stick		N	1,961	1,961
Load Wear Index		N	604	346

www.beckfluids.com