

BlueDevil Laboratory Stop-Leak Testing ASTM D6107 – D3147 – D1881

Results: Head Gasket & Cooling System Products – Meets Test Methods as Set Forth in ASTM D6107, D3147, and D1181

Tested | Proven | Reliable | Safe

BlueDevil Products is proud to announce what thousands of our customers already know... Our chemical solutions work!

We are happy to state that BlueDevil Products meets the limits published by ASTM D6107, the “Standard Specification for Stop-Leak Additive for Engine Coolants.” ASTM 6107 includes both ASTM D3147 & ASTM D1881 industry test methods. Testing was completed by an independent and impartial ISO 17025-2005 accredited laboratory. (Reports are available on request)



BlueDevil
PRODUCTS
STOP LEAKS PERMANENTLY. MAXIMIZE PERFORMANCE.

What is ASTM D6107

Testing is performed in accordance to the methods designated in Test Methods D1881 and D3147. This specification covers the requirements of a stop-leak additive to function effectively in automobile and light duty service equipment. The stop-leak additive is intended to seal leaks in engine cooling systems without adversely affecting heat transfer and fluid flow.

The following performance requirements of stop-leak additives must be achieved in order to meet this specification:

- The stop-leak additive must be capable of plugging a minimum hold size of 0.254 mm (0.010 in.) wide when tested in accordance with Test Method D 3147.
- Fluid removed from the Test Method D 3147 stop-leak test must not leave any residue or particulate matter on the surface of an ASTM E-11 No. 10 sieve, when poured through the sieve.
- Stop-leak additives passing the tests detailed above must be tested for foaming tendency in accordance with the Test Method D 1881. A volume of 150-mL maximum foam is allowable with a break time of 5 s max. The foam test must be run on fluid removed from the apparatus used, at the completion of the Test Method D 3147 stop-leak test.
- Duplicate test runs must be conducted for each stop-leak additive tested.
- Both sets of results are to be reported and both must satisfy all the requirements outlined in this specification.

Why This Matters

ASTM D6107 includes a variable of tests, not just a single parameter. This is important because it not only gauges the effectiveness of a cooling system stop-leak additive, but also tests for adverse interactions that can occur when added to a vehicle or piece of equipment.

The ultimate result to all of this data and laboratory testing is:

BlueDevil Products offers the most effective and safest solutions for your car care needs.

