



Technical Service Bulletin

Date: 2/11/08

Product Description: AMSOIL Coolant (ANT)

Subject: GM Cooling System Sealing Tablets and AMSOIL ANT Compatibility

OBJECTIVE:

Inform AMSOIL Dealers and customers of the compatibility testing results between (GM) Cooling System Seal Tablets (GM Part # 3634621) and AMSOIL Propylene Glycol Antifreeze (ANT).

ISSUES:

A compatibility question was raised regarding the use of GM Seal Tablets with AMSOIL Anti-Freeze (ANT) specified in multiple GM applications from 1982-1999 including Cadillac, Chevrolet, Oldsmobile, Buick, GMC and Pontiac vehicles. These brands require the use of GM Cooling System Seal Tablets when replacing or topping off antifreeze reservoirs. This includes both coolant products used by authorized GM dealers and after-market coolants including AMSOIL ANT. The addition of coolant tablets is specified by GM to minimize the possibility of leaks in the cooling system.

TECHNICAL DISCUSSION:

AMSOIL reviewed the GM cooling tablet requirements to understand the reason for the GM specified fix to alleviate leaking coolant systems.

According to GM "Cooling System Seal Tablets should not be used as a regular maintenance item after servicing an engine cooling system. Discoloration of coolant may occur if too many seal tablets have been inserted into the cooling system. This can also occur if seal tablets are repeatedly used over the ser-

vice life of the vehicle. Where appropriate, seal tabs may be used if diagnostics fail to repair a small leak in the cooling system. After performing specific procedures outlining seal tablet usage, install the appropriate amounts of tablets to the cooling system."(1)

According to Goodwrench and AC Delco, "It is recommended to use between 1 to 1½ grams of seal tablets per liter of cooling system capacity."(2)(3)

AMSOIL INC. conducted research to determine whether the use of GM Cooling Tablets would have any impact on overall cooling performance and longevity. After detailed analysis, AMSOIL INC. and pertinent chemical suppliers concluded that there is no issue using the GM cooling system tablets with AMSOIL ANT anti-freeze.

RECOMMENDATION:

AMSOIL recommends the use of ANT propylene glycol in conjunction with GM Cooling System Seal Tablets (GM Part #3634621) per GM's stated dosage and duration. ANT should be serviced using the directions on the container.

REFERENCES:

- 1) MOTOR Information System:
GM Service Bulletin: 00-06-02-006C
- 2) Goodwrench Internet Response Team
- 3) AC Delco Service Bulletin: 04D-J-054

Submitted By: BK Reviewed By: DCP Approval By: AA /KM Date: April 9, 2008

Distribution: ___Internal ___All

Page 1 of 1