STATE OF CALIFORNIA
AIR RESOURCES BOARD
1102 Q STREET
P.O. BOX 2815
SACRAMENTO, CA 95812

PETE WILSON, Governor

February 27, 1991

David J. Parrish
Engineering Manager
Emco Wheaton, Inc.
4001 Weston Parkway
Cary, NC 27513

#91-4

Dear Mr. Parrish:

Certification of Emco Wheaton A4042 Coaxial Fitting

You requested certification of the Emco Wheaton A4042 coaxial fitting. This fitting is manufactured from the same casting used for the A227 vapor check valve. The markings on the casting which identify it as an A227 check valve have been ground off, and wall in the vapor side of the casting has been bored through to eliminate the possibility of liquid blockage occurring. In addition, the fuel and vapor poppets have been eliminated. The fitting is designed to be used in place of the A227 vapor check valve when a remote vapor check valve is not required. The A4042 fitting may be used with any nozzle which does not require a remote check valve.

The A4042 fitting may be differentiated from the A227 vapor check valve by the ground-off casting, by the part number stamped into the casting and by a gray scuff guard on which the number A4042 is marked. This scuff guard is to be supplied only with the A4042 fitting and not sold separately, and use of this scuff guard with an A227 vapor check valve is specifically prohibited. Modification of the A227 vapor check valve by removing the fuel and vapor poppets does not convert it to an A4042 certified fitting. An A227 vapor check valve from which the poppets have been removed (except temporarily for the purpose of testing) is considered uncertified equipment.

As required by the Air Resources Board certification and test procedures, you requested the approval of the Division of Occupational Health and Safety, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

I find that the use of the Emco Wheaton A4042 fitting will not adversely affect vapor recovery systems on which it may be installed. Therefore, the Emco Wheaton A4042 coaxial fitting with gray scuff guard is certified for use with Phase II gasoline vapor recovery systems.

If you have any questions, please call Laura McKinney, Associate Air Pollution Specialist, at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: All APCDs and AQMDs
Vapor Recovery Technical Committee Members
CAP Gasoline Marketing and Distribution Manual