

## AIR RESOURCES BOARD

2020 L STREET  
P.O. BOX 2815  
SACRAMENTO, CA 95812



August 13, 1992

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

#92-15

Dear Mr. Parrish:

Approval of Emco Wheaton Nozzles for Use with M85 Fuel

The nozzles in the following list of Emco Wheaton equipment have met the requirements for California Air Resources Board (CARB) certification for use with M85 fuel (85% methanol and 15% gasoline). Our evaluation of this equipment indicated that the operation and durability will be satisfactory.

A4001 without vapor check valve (REMOTE CHECK VALVE REQUIRED)  
A4003 assist type  
A4005 with vapor check valve  
A4011 short spout without check valve (REMOTE CHECK VALVE REQUIRED)  
A4015 short spout with vapor check valve

As required by CARB 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 use of the above Emco Wheaton nozzles will not adversely affect the performance of gasoline or M85 vapor recovery systems. Therefore, nozzle models A4001, A4003, A4005, A4011, and A4015 are approved for use with Phase II gasoline and M85 vapor recovery systems in California.

If you have any questions, please call Darrell Hawkins at (916) 324-7343 or Laura McKinney at (916) 327-1525.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Morgester", written over a horizontal line.

James J. Morgester, Chief  
Compliance Division

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