STATE OF CALIFORNIA PETE WILSON, Governor

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

December 28, 1995

Mr. Craig Boche
Development Engineer
The Goodyear Tire and Rubber Company
Post Office Box 579
Norfolk, Nebraska 68702-0579

#95-42

Dear Mr. Boche:

Approval of an Alternate Retaining Ring for the Flexsteel Hose

You requested California Air Resources Board (CARB) certification of an alternate outer coupling retaining ring for use on the Goodyear Flexsteel inverted coaxial vapor recovery hose assembly.

The Goodyear Flexsteel hose assembly was originally CARB approved on September 9, 1993, and is listed in Approval Letter #93-21. A 3/4 inch diameter version of the Flexsteel hose was CARB approved on February 28, 1994, and is listed in Approval Letter #94-4. The alternate retaining ring is applicable to both of these hoses.

The purpose of the hose retaining ring is to help keep the inverted coaxial hose assembly and fittings assembled properly. The original retaining ring has two spirals of .025 inch thick stainless steel with a .995 inch inner diameter. The new alternate retaining ring is manufactured by the same vendor and has one spiral of .05 inch thick stainless steel with a .995 inch inner diameter. Both retaining rings are designed to fit the same groove in the coupling and the total thickness of both retaining rings is .05 inches. Also, the new alternate retaining ring is easier to install and has better retention in service.

As required by the Air Resources Board certification procedures, you requested the approval of the Division of Occupational Safety and Health, 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 alternate retaining ring, when installed in accordance with the manufacturer's instructions and the conditions listed in the original Flexsteel approvals, will not adversely affect the performance of the Flexsteel hose on which it is installed. Therefore the Goodyear alternate outer coupling retaining ring is certified for use on the Goodyear Flexsteel inverted coaxial vapor recovery hose assembly.