



Peter M. Rooney
Secretary for
Environmental
Protection

Air Resources Board

Barbara Riordan, Chairman
2020 L Street \$ P.O. Box 2815 \$ Sacramento, California 95812 \$ www.arb.ca.gov



Pete Wilson
Governor

November 24, 1998

Arthur Fink, Jr.
Vice President, Engineering
Husky Corporation
2325 Husky Way
P.O. Box 67
Pacifica, MO 63069

Dear Mr. Fink:

#98-20

Approval of Husky Model 4605 Inverted
Coaxial Multi-plane Swivel Connector

On November 5, 1997, you requested California Air Resources Board (CARB) approval of the Husky Model 4605 inverted coaxial multi-plane swivel. The Multi plane swivels are designed to be used with inverted coaxial vapor recovery hose assemblies in which the outer hose delivers the product to the nozzle and the inner hose returns the collected vapors. The Multi plane swivel can be installed between the hose and the nozzle and also between the hose and the dispenser outlet. It has M34 x 1.5 mm male threads on one end and female threads on the other end to fit inverted coaxial hose systems.

As required by the certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approvals of the three State agencies is a precondition to certification by the Air Resources Board. The appropriate letters of approval have been received and are listed as follows:

- Department of Food and Agriculture,
Division of Measurement Standards
March 12, 1998
- Department of Occupational Safety and Health
September 2, 1998
- Department of Forestry and Fire Protection
Office of the State Fire Marshal
Certification # GVRC 005:021:016, issued August 25, 1998

California Environmental Protection Agency

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Mr. Art Fink

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November 24, 1998

I find that the use of the Husky Model 4605 inverted coaxial multi-plane swivel, when installed in accordance with the manufacturer's instructions will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Husky Model 4605 inverted coaxial multi-plane swivel is certified for use on Phase II Vacuum assist systems.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

INTERNET VERSION

James J. Morgester, Chief
Compliance Division

cc:

Mr. Jim Johnston, Chairman,
CAPCOA Vapor Recovery Committee
Monterey Bay Unified APCD
24580 Silver Cloud Ct.
Monterey, CA 93940

Lynn Speckert
CARB Compliance Training Section