
E-Contaminator

Refrigerant News You Need Now

January, 2009



SAE, EPA and Mobile AC Community Push Forward with HFO-1234yf to Replace R134a

December 9, 2008

Washington, DC

The US EPA joined SAE, MACS and major stakeholders in Mobile AC systems to review and discuss a path forward for future refrigerants used in mobile AC systems. The focus of the discussion centered on HFO-1234yf development with DuPont presenting the technical details of toxicity, flammability and performance. Additional technical presentations were made by GM, Hyundai and the EPA where the issues of environmental impact, OE implementation challenges, as well as regulatory and local legislative modifications were discussed.

Representatives were present from all market segments, global interests and points of view including proponents of CO₂ from Europe and Greenpeace. The availability and price of HFO-1234yf was not disclosed however representatives from DuPont indicated they were in discussions with both US and Asian OE's on possible implementation. A followup meeting will take place at the MACS convention in Dallas, TX, February 5-7, 2009.

Currently, European regulations require new vehicle platforms introduced in 2011 to have a refrigerant with a Global Warming Potential (GWP) of <150. The current R134a refrigerant has a GWP of 1,430 compared to CO₂ @ 0 and HFO-1234yf @ 4. The current candidates for a new refrigerant are HFO-1234yf and CO₂ with each having benefits and drawbacks. It is very possible that the world will see both refrigerants in the marketplace however it appears that the US market will choose HFO-1234yf due to it's better performance in the full range of climate conditions and it's relative similarity to current R134a systems.

Neutronics Launches RefrigerantID.net to Help Shop Owners

Neutronics has launched a direct sales website allowing both Automotive and HVAC customers to get easy access to all Neutronics Refrigerant Analysis products. During these challenging times, shop owners and technicians need to know they can get instant access to the highest quality products and support. With the launch of RefrigerantID.net, customers can easily find both new products and spare parts in stock for immediate shipment. The online store gives customers 24 hour worldwide access to make it convenient for them.

RefrigerantID.net

Recession Buster Special!

Refrigerant Identifiers as low as \$299.00



Mini ID R134a

Customer Service Manager



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Upcoming Events

Team AVI Training Conference

Neutronics will be on hand to answer questions and provide the latest information on the new refrigerant HFO-1234yf and what it means to you.

Visit RefrigerantID.net at anytime for all of your Neutronics Refrigerant Identifier needs.



Join us January 15 - 18, 2009 in beautiful Ft. Myers Beach, FL

Neutronics to Exhibit World's First HFO-1234yf Refrigerant Identifier

Neutronics will exhibit the world's first HFO-1234yf refrigerant identifier at the Mobile Air Conditioning Society (MACS) show to be held in Dallas, TX from February 5-7, 2009. The addition of an HFO-1234yf product gives shop owners and technicians the security to know that they are only recovering good refrigerant from future vehicles.

New Mini ID R22 Identifier Gives HVAC Service Tech's an Advantage

The transition away from R22 refrigerant in the HVAC market has given rise to numerous R22 replacement refrigerants. While R410a dominates the market in new systems, it is not generally suitable to replace R22 in existing installations. This is where the R22 replacements come in. Unlike automotive systems, HVAC applications use the same fitting regardless of the refrigerant contained inside leading to a risk that the refrigerant inside the unit is not what's on the label. Did you know that mixing as little as 1 lb. of the wrong refrigerant with R22 in a 50 lb. recovery cylinder can make the refrigerant too contaminated to be reused? With current disposal rates for bad R22 running \$4 per lb. and current credit for good used R22 running up to \$2 per lb., just one contaminated 50 lb. recovery tank could cost you \$300!

The mini ID R22 quickly and easily confirms that the refrigerant in the system is R22 greatly reducing the risk of recovering the wrong refrigerant into your R22 cylinder. The Mini ID R22 will begin shipping the first week of February and all the details can be found on RefrigerantID.net.

Mobile Air Conditioning Society (MACS) Convention

New Frontiers in A/C Service is the place to get OE and Aftermarket training and product information.



Join us February 5 - 7, 2009 in historic Dallas, TX

Attachments:

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