

# TECH TIPS

JOHNSEN'S

## FREEZE 12®

*FIFTH IN A SERIES*

TCC has submitted samples of our alternative refrigerant Johnsen's Freeze 12 to most of the major A/C compressor manufacturers and rebuilders in the marketplace today. While several of them have tested Freeze 12 and could not find any problems, we anticipate further acceptance as time goes on.

To date, Johnsen's Freeze 12 is in thousands of vehicles across the country and we have thousands of hours of compressor bench testing behind it. When Freeze 12 is used instead of R-12 in an A/C system, similar pressures and system operation can be expected.

TCC supplies R-134a and Freeze 12 refrigerants, lubricants, accessories, and equipment. We feel there's a market for both depending upon the climate, age of vehicle or expectations. However, if you were to ask us how you should retrofit an A/C system from R-12 to R-134a, we would be hard pressed to give you an answer considering there are dozens of retrofit procedures being recommended. Just look at the confusion between lubricants, such as PAG or POE's.

Using Freeze 12 instead of R-12 involves the following simple steps: Recover the R-12, install the unique fittings, install a High Pressure Cutout Switch in accordance with EPA SNAP regulations (if the A/C system being converted is equipped with a High Pressure Relief Valve), evacuate the system, add 10% less Freeze 12 than the amount of R-12 the system required and apply the Freeze 12 service label to finish the job.

This procedure is easy, straightforward, cost effective and it gives your customers the performance they expect and demand.