



Fluor & Energy
Materials

Klea® Edge™ 444A & Klea® 456A

Compatibility Statement

R-444A has been thoroughly tested for system performance, compatibility, and durability per VDA, SAE and ISO test standards. Many of these tests occurred while R-444A (also known as AC5 during development phase) was part of an SAE cooperative research project (CRP) to evaluate suitability for mobile applications. Results indicate that both R-444A and R-456A are compatible with automotive oils, compressors, heat exchangers, hoses, and other materials.

Both refrigerants are comprised of commercially available components that have long histories in global air-conditioning applications, in addition to refrigeration, medical, and energy storage.

Continued OEM-level validation tests in heat pumps and BEV thermal management systems are in process. Third-party test data confirms that R-444A and R-456A, used in conjunction with best practice standards, will perform as well or better than the refrigerant they replace.