

ABSTRACT

The refrigerating machine oil of the invention is characterized by comprising an ester of a polyhydric alcohol and a fatty acid with a C₅-C₉ fatty acid content of 50-100 mol%, a C₅-C₉ branched fatty acid content of at least 30 mol% and a C₅ or lower straight-chain fatty acid content of no greater than 40 mol%, and by being used with a fluoropropene refrigerant and/or a trifluoroiodomethane refrigerant. The working fluid composition for a refrigerating machine according to the invention comprises the ester and a fluoropropene refrigerant and/or a trifluoroiodomethane refrigerant.