

ABSTRACT

REFRIGERATING MACHINE OIL AND WORKING FLUID COMPOSITION FOR REFRIGERATING MACHINES

5 The refrigerating machine oil of the invention includes an ester of a
polyhydric alcohol and a fatty acid, wherein the molar ratio of C₄-C₆
fatty acid and C₇-C₉ branched fatty acid in the fatty acid is between
15:85 and 90:10, the C₄-C₆ fatty acid includes 2-methylpropanoic acid,
10 and the ratio of the total C₄-C₆ fatty acid and C₇-C₉ branched fatty acid
in the total fatty acids composing the ester is at least 20 mol%. The
working fluid composition for a refrigerating machine according to the
invention comprises the refrigerating machine oil, a difluoromethane
refrigerant and/or an unsaturated fluorinated hydrocarbon refrigerant.

15 No Figure