

PRECISION LUBRICATION

100 Heavy Duty HYDRO CARE

Description

100 Heavy Duty HYDRO CARE is based on carefully selected, highly refined mineral oils chosen for their ability to provide superior performance in indirect closed fluid heat transfer systems

Applications

Enclosed circulated heat transfer systems for industrial applications such as process industry, chemical plants, textile producers etc. and in household equipment such as oil filled radiators. 100 Heavy Duty HYDRO CARE can be used in high temperature continuous heat transfer equipment with the following application limits:.
Max. film temperature 340°C Max. bulk temperature 320°C

Features/Benefits

Based on carefully selected highly refined mineral oils and resists oil cracking, oxidation and thickening. This provides extended oil life, provided efficient fluid heating and good pump circulation is ensured, such that film temperatures on the heater surface do not exceed the limits above.
System efficiency Low viscosity enables excellent fluidity and heat transfer over a wide temperature range.
100 Heavy Duty HYDRO CARE also has a low vapour pressure so resists cracking. This minimises the formation of volatile decomposition products; these would require recovery via expansion chamber and condensate collector
Wear protection 100 Heavy Duty HYDRO CARE is non-corrosive and has high solvency – this reduces deposit formation by holding oxidation products in solution and keeping internal surfaces of heat exchangers clean

TECHNICAL DATA

TEST	TYPICAL RESULTS
Viscosity , cst@40°C	25
Flash Point °C, min	210
Pour Point °C, max	-12
Density,@15°C	0.866



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