

# SPEC OIL

## SPEC OIL HEAT TRANSFER 22, 32 & 100

### DESCRIPTION

Heat Transfer 22, 32 & 100 is paraffinic mineral base oil used in enclosed circulating systems for the transfer of heat. Heat Transfer 22, 32 & 100 has good oxidation and thermal stability without the use of anti-oxidants. They are high Viscosity index base oils with good chemical stability. Neutral oxidation resistance at high operating temperatures and low pour point which makes them suitable for outdoor and low temperature uses.

### OUTSTANDING FEATURES

Heat Transfer has the following features:

- Non additive mineral oil
- Good oxidation and thermal stability
- Heat Transfer 22, 32 are especially suitable for quenching of large numbers of smaller steel parts in a given line. They provide a slow to moderate rate which results in sufficient hardness without the danger of cracking the materials.
- Low lubricant cost in wasteful conditions.

### DIRECTION FOR USE

Heat Transfer is recommended for use in all heat transfer operations where additives are not required. Heat transfer 22 and 32 are recommended for use as general purpose lubricants in equipment operating under lightly loaded or wasteful conditions e.g. as a flushing oil for cleaning out circulating systems and oil reservoirs during oil change-over procedures typical application include conveyers, chairs and outdoor machinery.

They are also used as heat exchanging medium in closed systems operating at temperatures up to 300 °C. Heat sources should apply heat gradually while oil is circulating to avoid local overheating, oil cracking and cooking of the heater elements.

They are suitable for quenching of large numbers of smaller steel parts in a given time. They provide a slow to moderate quenching rate which results in sufficient hardness without the danger of cracking the material.

### TECHNICAL DATA

	<b>22</b>	<b>32</b>	<b>68</b>
<u>Appearance</u>	<u>Pale yellow Fluid</u>	<u>Pale Yellow</u>	<u>Pale Yellow</u>
<u>Density @20 °C</u>	<u>0.864</u>	<u>0.869</u>	<u>0.88</u>
<u>Viscosity @ 40 °C</u>	<u>20 – 24 Cst</u>	<u>30 – 34</u>	<u>98 – 105</u>
<u>Viscosity Index</u>	<u>97</u>	<u>95</u>	<u>98</u>
<u>Pour Points</u>	<u>-15</u>	<u>-12</u>	<u>-10</u>