



LAIJUTSU SHL- I225,I226, I227, I228, I229

Product Description:

LAIJUTSU Heat transfer oil is mineral oil-type transfer oil for use in heat transfer systems with forced circulation. They are formulated with premium base oil technology. LAIJUTSU Heat transfer oil are noncorrosive, low odour level, excellent seal compatibility fluids that can absorb heat quickly and transport it to the material or fluid requiring heat.

LAIJUTSU Heat transfer oil are recommended for use in heat transfer systems where fuel oil, gas, or electricity is used to heat a fluid, which then transfers the heat to the point of application.

LAIJUTSU Heat transfer oil may be used in both open and inert gas blanketed close heat transfer systems. The maximum temperature for use in an open system shall not exceed 150° C at the point where the oil is exposed to the air. In closed, inert gas blanketed systems, LAIJUTSU Heat transfer oil can be used up to 320° C.

Applications / Benefits:

Excellent thermal efficiency and stability
Ease of pumping and circulation
Excellent performance at temperature extremes
Good rust and corrosion protection
Minimized makeup oil

Typical Physical Characteristics

Test Description	Method	SHL-I225	SHL-I226	SHL-I227	SHL-I228	SHL-I229
SAE Viscosity Grade	-	22	32	46	68	100
Specific Gravity @ 15 °C	ASTM D 4052	0.854	0.863	0.859	0.872	0.873
Flash Point, °C	ASTM D 92	210	220	225	228	238
Pour Point, °C	ASTM D 97	-24	-24	-21	-18	-18
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	22.00	32.00	46.00	68.00	100.00
cSt @ 100°C	ASTM D 445	4.47	5.34	6.69	8.61	11.30
Viscosity Index	ASTM D 2270	115	98	97	97	98
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

Specific Heat Capacity

Temperature, °C	25	100	150	200	250	300
ISO 22 Specific Heat Capacity, kJ/kg.° C	1.82	2.08	2.21	2.49	2.73	2.91
ISO 32 Specific Heat Capacity, kJ/kg.° C	1.89	2.17	2.33	2.51	2.72	2.88
ISO 46 Specific Heat Capacity, kJ/kg.° C	1.95	2.21	2.36	2.52	2.70	2.87
ISO 68 Specific Heat Capacity, kJ/kg.° C	1.97	2.24	2.41	2.53	2.67	2.85
ISO 100 Specific Heat Capacity, kJ/kg.° C	1.99	2.27	2.45	2.55	2.65	2.82

Max. Film Temperature, ° C	340
Max. Film Temperature, ° C	320

Health, Safety & Environment

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Shinloub representative.

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.