

ArChine Transtek FST 46

Food Grade Heat Transfer Oil

NSF Registration No. ----- Place of Origin: Shanghai, China

Product Introduction

ArChine Transtek FST 46 is formulated to help lower operating costs by reducing the frequency of fluid change-outs in operations that require a food grade product. Utilizing more than 20 years of formulating experience, Patricia Lubricants fortifies these thermally stable fluids with specially selected additives to provide outstanding protection from oxidative breakdown. The result is ArChine Transtek FST 46, a food grade fluid that provides high thermal efficiency in systems. Its breakthrough chemistry can assist in extending fluid life longer than leading competitive fluids, and help lower operating costs by reducing the frequency of fluid change-outs.

ArChine Transtek FST 46 is fully approved for use in and around food processing areas because of HT1 registered by NSF.

Features and Benefits

More thermally stable than leading competitive fluids, even full synthetics. Thermal stressing of a heat transfer fluid can cause the formation of light molecular compounds. These compounds can:

- raise a fluid's vapor pressure, which can cause fluid leakage from control valves and pipe flanges, circulating pump cavitation and vapor locking
- dramatically reduce a fluid's autoignition temperature, the lowest temperature that a fluid will combust, without flame or spark, in the presence of oxygen
- lower the operating temperature at which the heat transfer system can safely operate
- necessitate a costly, premature fluid change-out
- fully approved for use in and around food processing areas because HT1 registered by NSF

Applications

ArChine Transtek FST 46 is recommended for use in non pressurized, liquid phase, closed heat transfer systems used in food processing or pharmaceutical operations

Distributor Wanted

Shanghai PingYiao Trading CO., Ltd.

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with continuous bulk operating temperatures up to 250°C. Typical applications include central cooking facilities, drying, edible oil deodorizing and the heating of deep frying oils.

ArChine Transtek FST 46 may also be used in heating baths where a virtually odorless, nontoxic fluid is required for worker health and safety. Its outstanding resistance to oxidative breakdown is also beneficial in food related manufacturing operations where exposure to air cannot be avoided, and oxidation is the most likely form of fluid degradation. Common applications include the manufacture of plastic bottles, films and containers for the packaging of food products.

Typical Performance Data*

Items	ArChine Transtek FST 46
Appearance	Colorless clear transparent liquid
Density@20°C, g/cm ³	0.861
Kinematic Viscosity @40°C, mm ² /s	49.1
Kinematic Viscosity@ 100°C, mm ² /s	7.08
Viscosity Index	101
Flash Point (Open Cup, °C)	234
Fire point, °C	260
Pour Point, °C	- 18
Copper Corrosion, 100°C, 3hr	1
Max. oil film temperature, °C	350
Max. bulk oil temperature, °C	300~310

*Typical data shall not be used as product specifications.

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