



YOKOHAMA / HEAT TRANSFER OIL

HEAT TRANSFER OILS

ISO VG 32 / 46

PRODUCT DESCRIPTION

YOKOHAMA HEAT TRANSFER OIL is a range of mineral-based heat transfer fluids developed for indirect process heating in industrial circulation systems. The oils are intended to transfer heat between a heater and process equipment while supporting stable temperature control. Thermal and oxidation stability help limit oil degradation, viscosity changes and deposit formation; suitable fluidity assists circulation and maintains heat-exchanger performance.

APPLICATIONS

For enclosed, liquid-phase, forced-circulation heat transfer circuits used in chemical, textile, paper, woodworking and general manufacturing operations. Applications include plastic-processing equipment, mould temperature controllers, dryers, reactors, storage tanks and heat exchangers. ISO VG 32 and 46 provide viscosity options for different start-up conditions and pumping requirements. Bulk oil temperature and heater film temperature are separate operating considerations.

PERFORMANCE SPECIFICATIONS

DIN 51522 - Heat Transfer Fluids	ISO 6743-12, Category Q
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TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE	
		VG 32	VG 46
Kinematic Viscosity at 40°C (mm²/s)	ISO 3104	30.83	46.13
Kinematic Viscosity at 100°C (mm²/s)	ISO 3104	5.31	6.75
Viscosity Index	ISO 2909	106.40	101.00
Density at 15°C (kg/m³)	ISO 12185	870.60	881.00
Flash Point (COC) (°C)	ISO 2592	222.00	239.67
Pour Point (°C)	ISO 3016	-16.88	-25.50

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.