

# DETOS-DEHT

## Industrial Heat Transfer Oil

### Technical Data Sheet

**Product Description:** DETOS-DEHT oil is based on highly refined supreme quality mineral base oil. Its high thermal stability enables it to provide outstanding performance in industrial heat transfer systems with force circulations.



#### Attributes & Performance Benefits:

- Extended Oil Life:**  
 DETOS-DEHT oil is formulated with a highly stable base oil that provides excellent resistance against oil cracking and oxidation which minimizes the risk oil thickening during operation and therefore provides extended oil life.
- Outstanding Efficiency:**  
 DETOS-DEHT oil provides low vapor pressure at elevated temperatures, minimizes evaporation, vapor lock and pump cavitation. Its advance formulation allows efficient operation at lower system pressure, avoiding the need for expensive high pressure piping and heat exchangers.
- Equipment Protection:**  
 DETOS-DEHT oil possess high thermal stability and oxidation resistance which decreases sludge formation and coke deposits minimizing the risk of system choking. Its high solvency reduces deposit formation and keeps the internal surface of heat exchanger clean.

#### Typical Physical Characteristics:



#### Applications:

DETOS-DEHT oil can be used in industrial heat transfer systems where fuel oil, gas or electricity is used to heat a fluid, which then transfers heat to the point of application through force circulation. Applications limits:

- Maximum film temperature: 320°C
- Maximum bulk temperature: 300°C



#### Performance Standards:

- Classified as ISO 6743-12 Family Q
- Meets DIN 51522 requirements.



#### Health, Safety & Environment:

- Guidelines for health, safety and handling of the product are available in the Material Safety Data Sheet of the product which can be obtained from our representative.
- Dispose off used oil at an authorized collection point. Do not discharge into drains, soil or water.

Properties	Method	Units	DETOS-DEHT
ISO Viscosity Grade			32
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	32
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	5.37
Viscosity Index	ASTM D2270		100
Density @ 15°C	ASTM D4052	Kg/m <sup>3</sup>	875.9
Flash Point (COC)	ASTM D92	°C	220
Pour Point	ASTM D97	°C	-12