Description

Nexus HT Series are high-performance chain lubricants formulated with carefully selected base oils, antioxidants, and anti-wear additives to meet the demanding requirements of high-temperature chain applications where conventional lubricants fail to perform.

The advanced formulation provides a unique combination of anti-wear and friction-reducing properties, ensuring reliable lubrication and extended chain life under severe operating conditions.

Nexus HT Series are also suitable for use in worn chains with increased clearances, helping to maintain effective lubrication and reduce further wear. The product is recommended as a versatile, multi-service chain lubricant for a wide range of plant-wide applications.

Applications

Nexus HT Series is recommended for lubrication of chains operating under high-temperature and severe conditions, including:

- **Oven and Furnace Chains**
  Suitable for bakery ovens, paint curing ovens, and industrial furnaces operating at elevated temperatures.
- **Conveyor Chains**
  Used in drying, curing, and heat treatment processes where continuous operation is required.
- **Textile and Fiber Processing Chains**
  Applicable for stenter frames and other high-temperature textile machinery.
- **Wood, Paper, and Packaging Industry**
  Ideal for chains in drying and processing sections.
- **General Industrial Chain Applications**
  Recommended as a multi-service lubricant for plant-wide use across various chain systems.
- **Worn Chain Systems**
  Effective in chains with increased clearances, helping maintain lubrication film and reduce further wear.

Benefits

- **High Temperature Stability**
  Formulated to perform reliably at elevated temperatures where conventional oils fail.
- **Excellent Oxidation Resistance**
  Minimizes sludge and deposit formation, helping keep chains clean and operational.
- **Advanced Anti-Wear Protection**
  Reduces wear on pins and bushings, extending chain life.
- **Reduced Friction**
  Improves efficiency and helps lower operating temperatures.
- **Penetration Capability**
  Good penetration into chain links and clearances, ensuring effective lubrication even in worn chains.
- **Low Deposit Formation**
  Helps prevent carbon build-up and varnish under high-temperature conditions.
- **Extended Lubrication Intervals**
  Supports longer re-lubrication intervals, reducing maintenance frequency and downtime.
- **Versatile Application**
  Suitable for a wide range of industrial chain lubrication needs across multiple industries.

	NEXUS HT 150	NEXUS HT 220	NEXUS HT 320
ISO Viscosity Grade, ASTM D 2442	150	220	320
Specific Gravity, ASTM D 1298 @ 15.6°C/60°F	0.8761	0.8766	0.922
Kinematic Viscosity @ 40°C/104°F, ASTM D 445	151.9	211.7	318.9
Kinematic Viscosity @ 100°C/212°F, ASTM D 445	16.47	21.18	24.62
Viscosity Index, ASTM D 2270	>100	>100	>100
Flash Point, ASTM D 92, COC, °C/°F	>220/428	>220/428	>220/428
Fire Point, ASTM D 92, COC, °C/°F	>270/518	>270/518	>270/518
Auto Ignition Temperature, °C/°F	>370/698	>370/698	>370/698
Pour Point, ASTM D 97, °C/°F	min -9/15.8	min -9/15.8	min -9/15.8
Conradson Carbon Residue, ASTM D189 wt. %	<0.1	<0.1	<0.1
Scardiameter, Fourball, ASTM D4172-20, mm	0.66	0.72	0.72

*Subject to usual manufacturing tolerances

Nexus HT Series

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