

No. 225 Performance Barrier Fluid

No. 225 Performance Barrier Fluid has been proven in testing by a major seal manufacturer to deliver superior lubrication and cooling for tandem and dual mechanical seals. Formulated for superior low temperature fluidity and thermal oxidative stability, **No. 225 Performance Barrier Fluid** delivers the highest performance across wide temperature ranges.



Approved for incidental food contact: All ingredients are listed substances generally recognized as safe (GRAS) or substances used in accordance with the provisions of a prior sanction or approval permitted under Food and Drug Administration (FDA) Regulation 21 CFR 178.3570 - Lubricants with Incidental Food Contact.



NSF Nonfood Compounds 3H/H1 Registered: See Product Attribute Table

ISO 21469 Certification: See Product Attribute Table

Kosher and Pareve Certified

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES
SKU		0225-04
NSF NFC Registration Number		163418
Kinematic Viscosity, cSt @ 40°C	ASTM D445	17.8
Kinematic Viscosity, cSt @ 100°C	ASTM D445	4.01
Viscosity Index No.	ASTM D2270	125
Density, lb/gal @ 60°F	ASTM D1298	6.95
Pour Point, °F (°C)	ASTM D97	-86.8 (-66)
Flash Point, °F (°C)	ASTM D92	459 (237)
Fire Point, °F (°C)	ASTM D92	509 (265)
Autoignition Temperature, °F (°C)	ASTM E659	702 (372)
Oxidation Induction Time PDSC, min @ 185°C	ASTM D6186	69.2
Flowserve Operating Temperature Range, °F (°C)	See footnotes 1,4	149 - 351 (65.0 - 177)
John Crane Operating Temperature Range, °F (°C)	See footnotes 2,4	105 - 238 (40.6 - 114)
Minimum Operating Temperature, °F (°C)	See footnotes 3,4	81.3 (27.4)
Fluid Cleanliness	ISO 4406	14/13/11
Color	ASTM D1500	0.5
¹ Based on Flowserve recommendations for viscosity 1-5 cP at operating temperature ² Based on John Crane recommendations for viscosity 2-10 cP at operating temperature ³ Based on API recommendation for kinematic viscosity below 20 cSt at operating temperature ⁴ Consult with the OEM and Hydrotex Technical Services to determine the operating range for specific application		

Note: The fluid may experience discoloration upon exposure to light, which is not an indication of poor fluid health or instability.

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

Hydrotex® is a manufacturer and distributor of performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 75 years of innovation resulting in superior lubrication solutions and high touch customer service.