

Ultra-Kleen™ PAG

 Lubricants for a Healthier Planet™

Ultra-Kleen™ PAG is formulated with water soluble PolyAlkylene Glycol (PAG) base fluids and a robust extreme pressure additive system to provide exceptionally high film strength and surface protection for heavily loaded gearboxes.

All ingredients in **Ultra-Kleen PAG** are listed substances generally recognized as safe (GRAS) or substances used in accordance with the provisions of a prior sanction or approval permitted under the rules of the U.S. Food and Drug Administration 21 CFR 178.3570 for lubricants with incidental food contact.

NSF Nonfood Compounds H1 Registered: See Product Attribute Table

ISO 21469 Certification: See Product Attribute Table

Kosher and Pareve Certified



TYPICAL APPLICATIONS INCLUDE:

Food Processing Equipment	High and Low Speed Gear Boxes	Heavily Loaded Oiled Bearings
Worm Gears	Rotary Lobe Blowers	Chain and Rollers
Vacuum Pumps	Open and Closed Gear Systems	

Hydrotex Ultra-Kleen PAG meets or exceeds the following standards:

AGMA 9005-F16 S/EP	ISO 12925-1 CKS / CKT	DIN 51517-3 CLP PG
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PRODUCT ATTRIBUTES	TEST METHOD	TYPICAL PROPERTIES			
ISO Grade	ASTM D2422	220	320	460	680
AGMA No.		5EP	6EP	7EP	8EP
NSF NFC Registration Number		Pending	Pending	Pending	Pending
ISO 21469 Certified		Pending	Pending	Pending	Pending
Kinematic Viscosity, cSt @ 40°C	ASTM D445	220	320	460	680
Kinematic Viscosity, cSt @ 100°C	ASTM D445	44.6	66.0	90.3	120
Viscosity Index	ASTM D2270	259	278	282	278
Density, g/ml @ 15.5°C	ASTM D1298	1.043	1.051	1.059	1.065
Density, lb/gal @ 60°F	ASTM D1298	8.70	8.77	8.84	8.89
Pour Point, °F(°C)	ASTM D97	16 (-9)	16 (-9)	16 (-9)	20 (-7)
Flash Point, °F°C	ASTM D92	480 (249)	480 (249)	480 (249)	500 (260)
Copper Corrosion, 24 hr @ 100°C	ASTM D130	1a	1a	1a	1a
FZG Scuffing Test	ASTM D5182	12+	12+	12+	12+
FAG FE8 Bearing Test	DIN 51819-3	< 30	< 30	< 30	< 30
Rust Test, Distilled Water	ASTM D665	Pass	Pass	Pass	Pass
Rust Test, Syn. Sea Water	ASTM D665	Pass	Pass	Pass	Pass
Color		Clear	Clear	Clear	Clear

Note: It is well known that polyalkylene glycol (PAG) based fluids and hydrocarbon-based products are NOT Compatible due to their different polarities. Contact your Hydrotex representative for assistance cleaning and flushing gear boxes prior to using Ultra-Kleen PAG.

Ultra-Kleen PAG does NOT contain any ingredient with the following allergenic, sensitizing components or allergenic proteins or substances listed in the table below:

Animal Products including Enzymes, Fats or Proteins	Genetically Modified Organisms (GMO)
Eggs	Fish
Peanuts	Soybeans and Products Thereof
Sulfites	Dairy/derivatives
Wheat	Tree Nuts
Gluten (wheat, rye, barley, oats, spelt, kamut)	Shellfish/Crustaceans/Mollusks
Sesame and Products Thereof	Lupine
Mustard and Products Thereof	Celery
Carmine/Cochineal	BHA, butylated hydroxyanisole
MSG, monosodium glutamate	BHT, butylated hydroxytoluene
TBHQ, tertiary butylhydroquinone	Hydrolyzed Vegetable Protein (HVP)
Autolyzed Yeast	Artificial Flavors
FD&C Color	Saccharin

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 high 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 80 years of innovation resulting in superior lubrication solutions and high touch customer service.