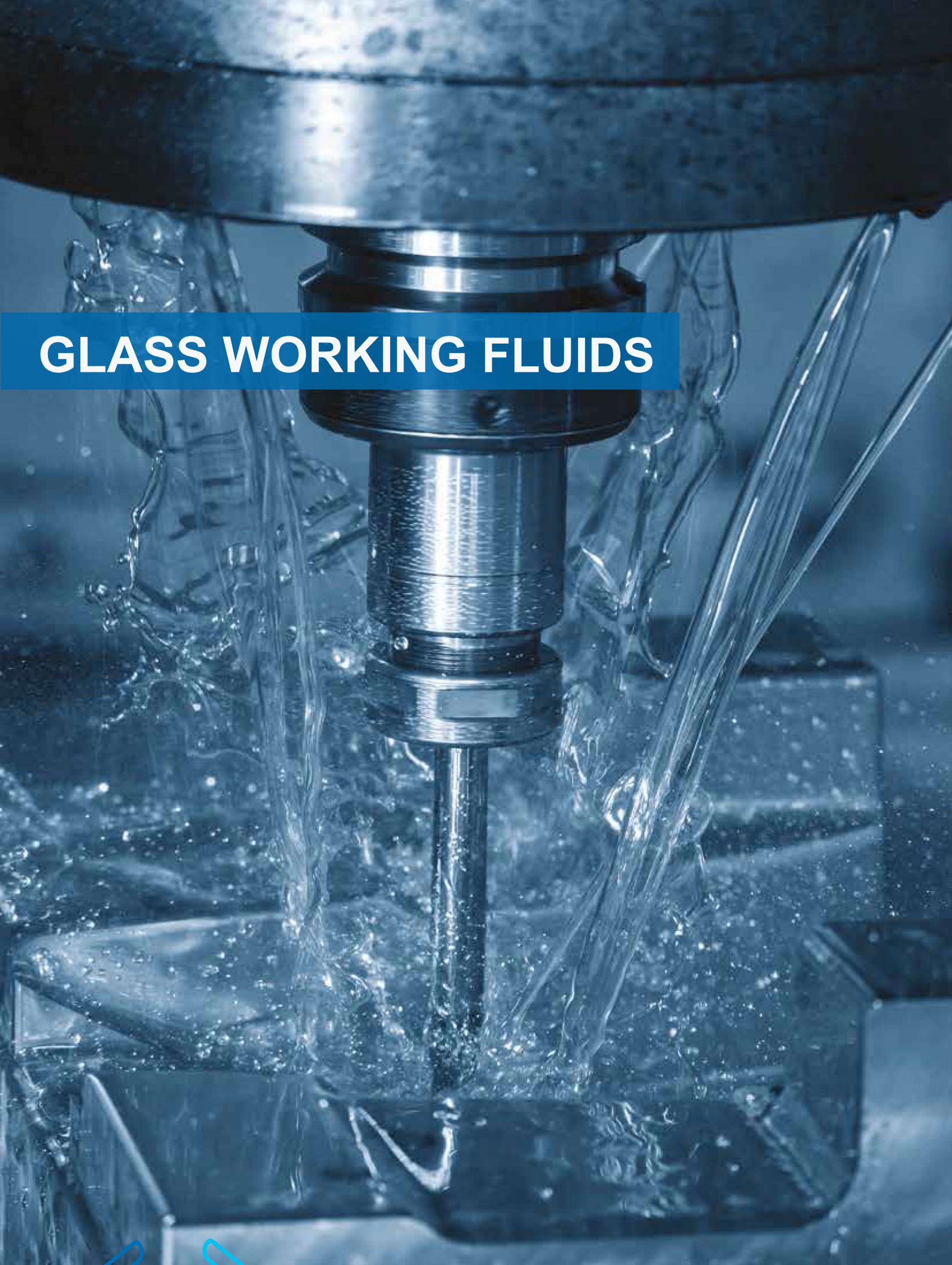

GLASS WORKING FLUIDS

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GLASS PROCESS OILS

BKM ULTRA 4/13	Appearance	Emulsion Appearance (%0,5)	pH (%0,5)	Refractometer Factor
	Reddish Brown, Clear	Transparent	9,6	1,7

It is a fully synthetic glass shear fluid developed for the needs of the glass industry, containing special additives and used by mixed with water. Especially in IS machines, it is used in bottle, jar production as well as in the production of glasware, etc. It provides excellent lubrication and cooling when cutting molten glass with glass blades. It is used by mixing with water in the concentration range of 0.2% to 1% according to the operating conditions. When used in appropriate concentrations, it reduces the reject rate and prolongs the life of the glass blades.

BKM 36/15	Appearance	Emulsion Appearance (%0,5)	pH (%0,5)	Refractometer Factor
	Brown, Clear	Milky, White	9,0	0,8

It is a mineral-based glass shear fluid developed for the needs of the glass industry, containing special additives and used by mixed with water. Especially in IS machines, besides the production of bottles and jars, etc. It is used as a shear spray lubricant for the production of glassware. It provides excellent lubrication and cooling when cutting molten glass with gob shear blades. It is used by mixing with demineralized water in a concentration range of 0.2% to 1%, depending on operating conditions. When used in appropriate concentrations, it reduces the reject rate and prolongs the life of the shear blades.

GLASSFLUID SYN-220	ISO VG Class	Appearance	Density (20°C, g/mL)	Kinematic Viscosity (40°C, cSt)	Viscosity Index	Flash Point (°C)	Evaporation Lost (160°C, 22h)
	220	Yellow, Clear	0,92 ± 0,02	198-242	140	250	max 1,0

It is a long-lasting high-temperature lubricant produced by blending superior synthetic oils and high-performance additives developed for the glass industry. GLASSFLUID SYN-220 is an easily pumpable product in central lubrication systems as it is fluid when stored at room temperature. The amount of residue left after lubrication is too low.

GLASSFLUID SC-100	Appearance	Density	Kinematic Viscosity (40°C, cSt)	Viscosity Index	Flash Point (°C)	Pour Point (°C)
	Dark Yellow, Clear	0,860 ± 0,01	90-110	152	250	-39

Synthetic glass lubricant used as a central system lubricant produced by blending superior synthetic base oils and high performance special additives developed for glass machines operating in the most difficult conditions in the glass industry. The amount of residue left after lubrication is too low.

GLASSFLUID KY PG-32	Density (20°C, g/ml)	Kinematic Viscosity (40°C, cSt)	Flash Point (°C)	Pour Point (°C)
	0,941	28,0-35,2	216	-34

Special zinc-free synthetic product with high viscosity index, high resistance to corrosion and oxidation, developed using the latest additive technology to be used in the lubrication of the scoop system of bottle production machines in the glass industry. They are used with success, especially in cases where there is a high temperature and it is not desired to change with temperature of product performance. Since the amount of residue left after lubrication is low, the residue on delivery system parts are too low.

GLASSFLUID M-15	Density (20°C, g/cm³)	Kinematic Viscosity (40°C, cSt)	Viscosity Index	Flash Point (°C)	Pour Point (°C)	TAN (mg KOH/g)
	0,859	15,5	153	195	-36	0,3

Special zinc-free product with high viscosity index, produced by blending the best quality refined base oils and high performance special additives developed to be used in the lubrication of the scoop system of bottle production machines in the glass industry. They are used with success, especially in cases where there is a high temperature and it is not desired to change with temperature of product performance. The amount of residue left after lubrication on delivery equipment is low.

GLASSFLUID SN-25	Appearance	Density (g/mL, 20°C)	pH (direct)
	Clear	1,036	7,5

In the glass industry, it is a synthetic cold coating liquid designed to prevent scratches that may occur from friction and collision on the surface after the production of glass material. It is mixed with water at a rate of 0.5-1.0% and applied to the surface of the material by spraying method. It is a product suitable for direct contact with food at a low rate.

METAL WORKING FLUIDS

GLASS PROCESS OILS

GLASSFLUID PM-5	Appearance	Density (20°C, g/cm³)	Kinematic Viscosity (40°C, cSt)	Refractive Index (nD_{20})	Flash Point (°C)
	Colorless, Clear	0,766	2,4	1,4290	126

Glass mold release oil used to lubricate the special die parts of glass forming presses. It is used for lubrication between mastor and ring in the production of press products.

GLASSFLUID AFG SERIES	Appearance	Refractive Index (nD_{20})	Density (15,5°C, g/mL)	Flash Point (°C)
GLASSFLUID AFG-1	Colorless, Clear	1,4255	0,7620	63
GLASSFLUID AFG-2	Colorless, Clear	1,4250	0,7640	63
GLASSFLUID AFG-3	Colorless, Clear	1,4250	0,7720	63
GLASSFLUID AFG-4	Colorless, Clear	1,4250	0,7610	63

Volatile and low odourless glass cutting oils produced by blending special base oils and high performance additives developed for glass cutting machines in the flat glass industry. They are used in the float glass production line and individual glass machines. They are suitable for use on car windscreens and windows, laminated glass, float glass and mirrors.

GLASSFLUID KC-40	Appearance	Density (15°C, g/ml)	Kinematic Viscosity (40°C, cSt)	Flash Point (°C)
	Yellow, Clear	0,850	8,5-10,0	160

Glass cutting lubricant produced by blending superior high performance base oils and special additives developed for glass machines operating in the most difficult conditions in the glass industry. It is used in flat glass cutting machines, especially for auto glass cutting processes.