

Product Data Sheet

Manufactured by Klüber Lubrication NA LP • P.O. Box 131359 • Tyler, CR 2120, Texas 75713, under license from Brautek LLC

NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

SYNCROWN SHO SERIES

SynCrown SHO 220 lubricantes sintéticos para engranajes se formulan utilizando fluido de hidrocarburo sintetizado y aditivos selectos para mejorar la resistencia a la oxidación y proporcionar la máxima protección contra el desgaste, el óxido, la corrosión y la espuma. Estos fluidos a base de PAO proporcionan una estabilidad térmica y de oxidación significativamente mejor, así como una mayor protección contra la pérdida de viscosidad que los aceites minerales convencionales de buena calidad. El índice de viscosidad inherentemente alto de estos aceites proporciona mayores viscosidades y, por lo tanto, mayor espesor de película en temperaturas más altas y viscosidades más bajas para una fácil puesta en marcha y una fricción interna mínima a temperaturas más bajas. El bajo coeficiente de fricción de los lubricantes de la serie SynCrown SHO reduce sustancialmente el consumo de energía y la temperatura de funcionamiento de la caja de cambios, prolongando aún más la vida útil del lubricante

APPLICATION

*SynCrown SHO Series lubricants are recommended for use under severe high or low temperature conditions when lubricating industrial enclosed gears and heavily loaded plain or rolling element bearings. They are particularly recommended for applications where high oil temperatures result in short oil life or high maintenance costs. **SynCrown SHO-32, SHO-46 and SHO-68** may be used in piston or gear type pumps, especially where pressures exceed 1000 psi or when operating over a wide temperature range. Use **SynCrown SHO-32 through SynCrown SHO-1000** for applications where the corrosion of yellow metals is a concern, as these lubricants do not contain additives which tend to attack metals such as brass, bronze or copper.*

The SynCrown SHO Series lubricants are compatible with essentially all seal materials, plastics and paints, including nitrile Buna N, neoprene, viton, teflon, polyethylene, polyurethane ether, fluorocarbon, polyacrylate, polysulfate, ethylene acrylic, epoxy, plastisol, PVC, acrylic paint and lacquer.

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Physical Properties

| PRODUCTS | SHO-32 | SHO-46 | SHO-68 | SHO-100 | SHO-150 | SHO-220 | SHO-320 | SHO-460 | SHO-680 | SHO-1000 |
|------------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ISO Grade | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| AGMA Number | - | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8A |
| Specific Gravity | 0.851 | 0.849 | 0.857 | 0.861 | 0.864 | 0.869 | 0.872 | 0.875 | 0.876 | 0.881 |
| Viscosity | | | | | | | | | | |
| @ 40°C, cSt | 31.6 | 46.0 | 67.3 | 99.1 | 149.1 | 231.7 | 340.9 | 480.2 | 728 | 1018.1 |
| @ 100°C, cSt | 5.8 | 7.8 | 10.9 | 14.4 | 19.8 | 27.6 | 37.2 | 48.3 | 67.5 | 88.6 |
| @ 100°F, SUS | 163 | 236 | 343.2 | 508 | 767 | 1197 | 1769 | 2501 | 3804 | 5333 |
| @ 210°F, SUS | 45.7 | 52.4 | 63 | 77 | 100 | 135 | 180 | 233 | 325.6 | 427 |
| Viscosity Index | 126 | 138 | 153 | 150 | 153 | 154 | 157 | 160 | 166 | 171 |
| Flash Pt. F°(C°) | 450 (232) | 475 (246) | 510 (266) | 510 (266) | 469 (243) | 480 (249) | 491 (255) | 469 (243) | 510 (266) | 510 (266) |
| Pour Pt. F°(C°) | -65 (-54) | -40 (-40) | -44 (-43) | -44 (-43) | -47 (-44) | -49 (-45) | -54 (-48) | -54 (-48) | -44 (-43) | -38 (-39) |
| Copper Corrosion | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A |
| Rust Test | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| FZG Gear Test | 11 Pass | 11 Pass | 12+ Pass | 12+ Pass | 12+ Pass | 12+ Pass | 12+ Pass | 12+ Pass | 12+ Pass | 12+ Pass |

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.

SYNCHRONOUS SHO SERIES
SYNTHETIC GEAR / BEARING