OPTIMOL® VISCOGEN® G



Product Data Sheet

OPTIMOL VISCOGEN G - solid-free transparent synthetic oil for extremely heavy loads and high-temperature lubrication. Forms a lubricating film with excellent load carrying ability even at extreme temperatures.

OPTIMOL VISCOGEN G leaves virtually no residues even when overheated. No hard carbon in lines of central lubrication systems, no hard residues in plain bearings, joints, etc.

Due to its good viscosity/temperature characteristics and excellent adhesion, OPTIMOL VISCOGEN G retains its lubricity, reduces friction and offers optimum wear protection at temperatures up to + 180°C/ + 356°F.

OPTIMOL VISCOGEN G is much more economical in use than conventional mineral or synthetic oils thanks to its superior creep properties, adhesion and thermal stability.

APPLICATIONS

OPTIMOL VISCOGEN G is miscible with mineral oil. Maximum performance however only if applied unmixed.

OPTIMOL VISCOGEN G cannot be mixed with glycol-based synthetic oils.

For further information, especially for changing I.S. machines from mineral oil to OPTIMOL VISCOGEN G contact Technical Service.

ADVANTAGES

- thermally stable
- evaporates with extremely low formation of residues
- leaves no hard residues
- low odor
- reduces friction and wear
- contains no solid lubricants which might form deposits
- good pumpability in central lubrication systems
- no start-up problems after shutdowns due to favorable viscosity index
- · compatible with mineral oil
- excellent adhesion
- reduced lubricant consumption
- temperature stable up to + 180°C/+ 356°F

USAGE

OPTIMOL VISCOGEN G is approved for lubrication of Emhart, Bottero, Heye and O-I container glass machines. The lubricant is usually applied by a central lubrication system. Lubrication intervals can be extended up to 90 min.

OPTIMOL VISCOGEN G is suitable for all lubrication points at normal and high temperatures in the glass industry, e.g., feeder mechanisms, PIV-drives, worm gear feeder drives, conveyor and stacker chains.

OPTIMOL VISCOGEN G for chain lubrication with drip-feed lubricator, central lubrication, oil spraying systems or manually (with brush or oil can) in stenter frames, paint ovens, etc.

TYPICAL PROPERTIES

OPTIMOL VISCOGEN G

| Base Fluid | 175 Synthetic | 220 Synthetic |
|--|-------------------------|-------------------------|
| Color | Transparent reddish | Transparent reddish |
| Density, DIN 51757, g/cm ³ @ 15°C/60°F | 0.940 | 0.940 |
| ISO grade Viscosity, DIN 51519 | | 220 |
| Viscosity, DIN 51562 @40°C/cSt @100°C/cSt | 167 19.8 | 210.9 23.63 |
| Viscosity Index, ISO 2909 | 137 | 139 |
| Flash point, ASTM D-92, °C/°F | 216/420 | 216/420 |
| Fire point, ASTM D-92, °C/°F | 266/510 | 266/510 |
| Pour point, ASTM D97, °C/°F | -30/ -22 | -34/ -29.2 |

Subject to Usual Manufacturing Tolerances