Synlube® CLP

High performance fully synthetic gear lubricants

Product description

Synlube CLP are fully synthetic poly-glycol gear oils, designed for use in all types of gears and bearings operating under very severe conditions.

Customer benefits

- Fully shear stable under severe loads, giving maximum equipment protection and uptime
- High-temperature oxidation stability ensures system cleanliness, extended oil service life and reduced costs
- EP performance and superior lubricity reduces wear, maintenance, downtime and energy consumption
- Corrosion resistance maximises component service life, saving time and money

Applications

- Synlube CLP fluids are particularly beneficial in worm gear boxes
- Synlube CLP fluids are also recommended for the lubrication of all other types of gears and bearings, including enclosed gearboxes containing bevel, spiral bevel, helical, and/or spur gears
- Synlube CLP lubricants are suitable for ball, roller and plain bearings, which are exposed to very heavy-duty applications in extreme operating conditions
- Applications include steel rolling mills, papermaking machines, mining equipment, calendars, rubber kneaders, winches, dredges, cranes etc.
- Synlube CLP provides thermally stable operation at temperatures in excess of +200°C

Product highlights

- **Suitable for most types of gears**
- **Fully shear stable**
- **High-temperature capability**
- **Excellent anti-wear and EP performance**

Selected specification standards and OEM approvals include:

David Brown	DIN 51517/3
Defence Standard 05-50.1, No 29	

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

Approvals, performance and recommendations

Approvals

- Synlube CLP 150 and 220 are approved as a type G lubricant in David Brown industrial enclosed gear units.

Performance

- Synlube CLP 150 and 220 meet DIN 51517/3.
- Synlube CLP 150 and 220 meet the requirements set down under Defence Standard 05-50.1, No 29.

Typical test data

Test	Test methods	Results	
Viscosity Grade		**150**	**220**
Kin. Visc. 40°C; mm^2/s	ISO 3104	150	220
Kin. Visc. 100°C; mm^2/s	ISO 3104	25	31.8
Visc. Index	ISO 2909	202	189
Flash point, COC °C	ISO 2592	290	282
Pour point, °C	ISO 3016	-39	-36
Density, 15°C, Kg/l	ASTM D1298	0.9989	1.0096
Cu corrosion, 3h, 100°C	ASTM D0130	1B	1B
FZG Damaged Load, A/8.3/90	DIN 51354	>13	>13

Synlube CLP fluids are NOT miscible with conventional mineral oils. Although maximum oil content of up to 5 percent can be tolerated and will not lead to phase separation, some slight turbidity may be observed.

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.