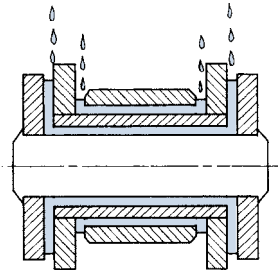


LUBRICATION

The long service life of chain depends highly on lubrication. An optimum lubrication is an important factor in obtaining a desired life of chain. Please use the lubrication types as shown in the Horsepower ratings table.

Application of lubricant to chains

Apply oil as shown so that oil will arrive at bearing surfaces of chain and an oil film will be maintained among the pin, bushing and roller. The amount of wear is reduced and the life of chain is prolonged.



Selection of the lubricant

Use only high quality oil. The lubricants suggested for specific temperature ranges are shown in the following selection table.

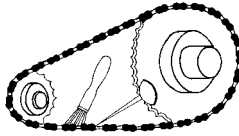
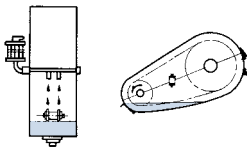
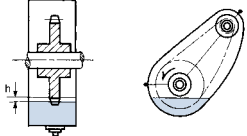
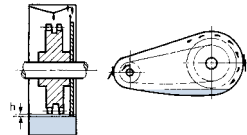
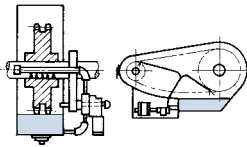
Selection Table (Viscosity)

| SURROUNDING TEMPERATURE C | | SAE VISCOSITY NUMBER |
|---------------------------|-----------|----------------------|
| -10°C | THRU 0°C | SAE 20 |
| 0°C | THRU 40°C | 30 |
| 40°C | THRU 50°C | 40 |
| 50°C | THRU 60°C | 50 |

Note:

- (1) For manual lubrication, if oil drips from chain, use a high viscosity lubricant.
- (2) If the surrounding temperature is less than -10°C it is recommended to use refrigerating machine oil.
- (3) If the surrounding temperature is not less than 60, please consult us.

Type of Lubrication

| | | |
|-----|---|---|
| I |  | <p>Manual lubrication</p> <p>Oil is applied with a brush or oil can. Every 4 to 8 hours, the oil should be applied to between link plates in the lower span of the chain.</p> |
| |  | <p>Drip feed lubrication</p> <p>A simple casing is required. About twenty drops of oil per minute are distributed from a drip lubricator between the link plates.</p> |
| II |  | <p>Oil bath lubrication</p> <p>A leak-proof casing is required. The chain dips into an oil reservoir. The sprockets should dip into the oil one half inch. If the sprocket dips too deep, heat is generated.</p> |
| |  | <p>Disc lubrication</p> <p>A leak proof casing is required. The chain operates above the oil level. The disc should dip into the oil one half to one inch.</p> |
| III |  | <p>Pump lubrication</p> <p>A leak proof casing is required. The oil is circulated with a pump and the oil should be cooled.</p> |

Chain drives should be inspected at intervals to assure that the lubrication is functioning properly. If the chain and bushing is discolored, grooved or galled, the chain will not be sufficiently lubricated. For better lubrication, inspect the chain after it is periodically removed and washed with kerosine.