

Proper lubrication of roller chains is a very important factor in getting their best possible performance and longer lifetime. No matter how well a transmission system is designed, if it is not properly lubricated, its service life will be shortened.

Abrasion between the pin and bushing causes roller chains to stretch. Therefore, these parts should be well lubricated.

The gap between the pin-link plate and roller-link plate on the slack side of the chain should be filled with lubricant.

The oil forms a film which minimizes wear of the pin and bushing thus increasing the chain service life.

It also reduces noises and cools down the chain running at high speed.

## POINTS OF LUBRICATION

- 1) Fill and change oil periodically.
- 2) Generally, heavy oil and grease are not suitable as a **lubricant**
- 3) Avoid mix of oil with another kind or other maker's.
- 4) Adequate lubrication quantity is also essential for a chain's longer service life.

Туре	Method	Amount						
A	Manual lubrication	●Periodically to keep chain joints from drying						
	Dripping lubrication	Usually 4-20 drops of oil per mi nute.  Excess oil should be reserved in a simple case.						
В	Oil bath lubrication	■Effective at medium and los speeds.  ■To be dipped 6 ~ 12 mm.						
	Lubrication by For large spee	slinger disc  Tallo  Frective at rather high speeds  To be dipped 12-25mm a about 200m/min. circumferentic speed of slinger disc.						
	Lubrication by For small spec	slinger disc dratio •Case should be cleaned to re move impurities.						
с	Ferced lubrication  •Effective for heavy load, power and high speed. •Ab 4 ltr/min. should be without oil shortage or her up. •Closed circulating lubrications system needs a clean tan case.							
		Temperature[ C]						
	SY -10 0 40	50 -10 0 40 50						

	Temperature[ C]							
SY	-10       	0 1 40	40   50	50         	-10       	0       	40 1 50	50       60
Chain No.								
0000								
Lubrication Type	TYPE A-B				TYPE C			
-SY50	SAE10	SAE 20	SAE 30	SAE 50	SAE10	SAE 20	SAE30	SAE40
5760-5780	20	30	40	50	10	20	30	40
SY100	20	30	40	50	20	30	40	50
SY120-	30	40	50	50	20	30	40	50