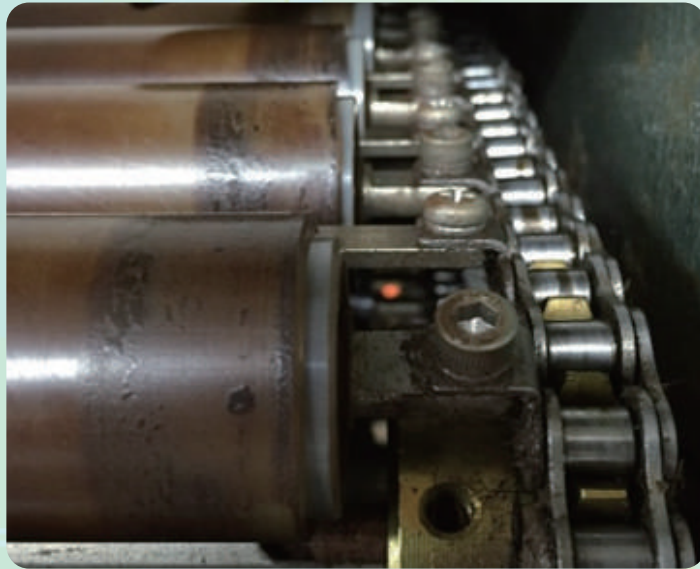


Application Examples of TLH Roller Chain



Industry: Linen Supply Industry

Equipment: Automatic wet hand towel counting and packing machine.

Use Environment: Chlorine gas

Rust was generated from Super Shield Chain used in one year of chlorine gas atmosphere. The rust flakes caused the air conditioner to break down. After replacing to TLH Roller Chain, the chain has not been rusted for three plus years and the air conditioner has not broken down since.



Industry: Food Industry

Equipment: Vegetable transfer line

Use Environment: Muddy water

Exposed to muddy water, the stainless steel chains elongated quickly due to wear and were subject to maintenance four times a year. The conventional stainless steel chains were replaced with TLH Roller Chain, which went beyond one year without maintenance.



Industry: Papermaking Industry

Equipment: Paper packaging line

Use Environment: Paper dust atmosphere without lubrication

Degreased chains were used to transfer paper so that no oil would attach to the product. However, the degreased chains rusted, and the rust attached to the paper. By adopting a non-lubricated TLH Roller Chain, the problem never recurred.



Industry: Fertilizer Industry

Equipment: Chemical fertilizer transfer system

Use Environment: Fertilizer powder scatter

Chemical fertilizer dust, made of nitrogen, phosphate, and potassium, accumulated on the chains, which rusted and reached the service limit in half a year. TLH Roller Chain did not reach the service limit even after 19 months of use without maintenance.



Industry: Steel Industry

Equipment: Iron-making line

Use Environment: Vapor and Dust atmosphere

In a high-temperature of 200°C to 400°C (392°F to 752°F) environment, where the chains were exposed to dust containing iron oxide vapor, the conventional standard chain had a usable life of only one year. TLH Roller Chain was adopted, extending the service limit beyond one year.



Industry: Fisheries Industry

Equipment: Clam washing system

Use Environment: Seawater

Exposed to seawater, special stainless steel chains became worn and elongated quickly. TLH Roller Chain was adopted and did not rust, wear, or elongate, even after five months of use.