

CHAIN LUBRICATION

Chain lubrication

For chain applications, lubricants provide a film which prevents wear at metal-to-metal contacts, dissipates heat generated, acts against corrosion and smoothens the movement. Selection of lubricants depends on operating conditions such as temperature, loading, speed, surrounding environment and its designed function.

To cope with the requirements arising from varieties of conditions, Dulub offers all types of lubricants including oil, grease, spray and cleaning agent to support our clients in extending service life of their chain systems.



Oils for chain lubrication

For the most commonly adopted roller chains, lubricants have to be able to flow into the contacting surfaces inside the pin and bushing/ plate/ roller. For this purpose, oils certainly outperform greases.

For chains operating below 110°C, we recommend:

Dulub VISCACHAIN VC-28

VC-28 is a synthetic fluid formulated to meet high demand of chain systems operating under severe conditions.

Good adhesivity keep itself stay-in-place without splashing by centrifugal force. Good penetrating property promotes its creeping into gaps of chain link. Extreme pressure additive exhibits excellent boundary lubrication keeping the chain work longer. One can almost use VC-28 for all chain systems except high-temp applications.

For medium high temperature chain applications, up to 160°C/200°C, especially with drip feed system, we recommend:

Dulub HOTEPLFLUID ETR 130

HOTEPLFLUID ETR 130 has superior thermal stability, no carbonization residue in high-temp. It possesses high polarity that gives good adhesion toward metal surface. It exhibits good protection against copper corrosion. And it has high viscosity index number which yields less viscosity change.

For higher temperature chain systems, up to 180°C/220°C such as textile stenter frame machine or varnish baking line, with pressurized oil stream system, we recommend:

Dulub HOTENLINK KTN351

Combining lubricity, good penetration and adhesion, anti-corrosion, non-carbonizing and low evaporation, HOTENLINK KTN351 extends chain-system life longer than most other lubes do.

Sprays for chain lubrication

For manual lubrication, when there is difficult site or reinforced lubrication for certain situation, Dulub offers spray type lubricants for ease of application.

Dulub VISCACHAIN 28 SPRAY

Spray type of VISCACHAIN VC-28

Dulub HOTENLINK 353 SPRAY

Spray type of HOTENLINK KTN351

Dulub GALITE 1400 SPRAY

Spray type of GALITE 1400, which is with dark black metallic paste for sliding surface under extreme load and high temperature up to 1,400°C. It can be used with chain systems of heavy industrial machines.

Grease for chain lubrication

For chain systems with encapsulated ball bearing, one would need a 'long-life' grease. We recommend:

Dulub VACUTOX GUF

VACUTOX GUF is a pffe based grease designed for all severe conditions of tribo-tech cases. It is highly thermal stable, resistant to aggressive steam and chemicals, and with very high load carrying ability.

Oil for cleaning

Last but not the least, it is important to perform routine cleaning for chain systems to reduce the accumulated dirt or fouling which will inhibit penetration of chain lubricant. For this purpose, we recommend:

Dulub CLINLUB 677-RS

CLINLUB 677-RS is a cleaning agent combined with lubrication. Chain system is lubricated when it is cleaned, so that it can be safe with immediate wear following cleaning, which is easily overlooked by engineers.



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