

## Service Bulletin

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### Subject: Lubrication Requirements for Unibilt® Conveyor Chain and Track

Proper lubrication of Unibilt® conveyor chain and track is essential for extended service life. This service bulletin addresses the initial lubrication requirements and recommended long term maintenance practices for Unibilt® chain and track.

#### Unibilt® Chain Assemblies

Unibilt® chain must be lubricated immediately after installation.

- Recommended lubricant: DuBois Chemicals #MPO-30 oil.
- Optional Lubricants: Must be equivalent to SAE 30, AGMA #3 or ISO 100 viscosity. EP additives, and/or polymer additives are recommended.

Product information on DuBois Chemicals #MPO-30 oil can be found at [www.duboischemicals.com/](http://www.duboischemicals.com/) or by Google™ key word search on "DuBois Chemicals".

**Water based, low viscosity or dry film type lubricants are not recommended for Unibilt® chain and may void any applicable DAC product warranties.**

An automatic chain lubricator with 9 nozzles is strongly recommended for typical systems and is required for heavily loaded systems or systems operating in adverse environments such as high temperature. Refer to figure #1 for the 9 location points on the chain requiring lubrication.

**The use of automatic lubricators with less than 9 nozzles may void any applicable DAC product warranties.**



**Figure 1" Lubrication Points for Unibilt® Chain**

Adequate maintenance lubrication is required for all systems and in particular for heavily loaded systems or systems operating in adverse environments such as high temperatures. The frequency and amount of lubrication is unique for each conveyor application and is normally determined after the initial installation and after a 1 month evaluation. Proper lubrication is generally defined as having a visually wet oil film on all bearing surfaces and wheel rolling surfaces.

#### Unibilt® Track

For extended service life of the Unibilt® track on heavy duty systems, an initial film of lubricant should be applied to the internal track rolling surfaces. This initial lubricant film can be achieved by several methods; prolonged initial operation of the chain lubricator, pre-lubricating the track prior to installing the chain, or manually spraying lube into the track and allowing the load wheels to track it evenly throughout.

Track re-lubrication is normally not required if the conveyor chain is properly maintained and lubricated. With proper chain lubrication, small amounts of lubricant are normally transferred onto the track rolling surfaces and will maintain a proper lubricating film on the track. Dry track rolling surfaces are generally an indication of substandard chain lubrication maintenance.

For questions regarding this service bulletin, call Daifuku America Corporation (DAC) Product Sales at (248) 553-1232 or email us at [dacproductsales@daifukuamerica.com](mailto:dacproductsales@daifukuamerica.com).