



SPECIAL PRODUCTS

ADDINOL BELT LUBE HT 50, 100

PRODUCT DESCRIPTION

ADDINOL Belt Lube HT 50 and HT 100 are extremely high temperature stable, fully synthetic lubricants. They provide outstanding usage properties because of their synthetic base components and special additives.

APPLICATION

- Application in high temperature plants, e.g. ovens, dryers, presses and other devices e.g. for the lubrication of conveyor belts, chains and rollers at temperatures **up to +250°C**
- Preferably used for the lubrication of thermally highly loaded friction pairings of chain systems as well as rolling and sliding elements at pressing production lines operating continuously, e.g. production of plates and fibreboards:
 - particle boards
 - medium-density fibreboards
 - oriented strand fibreboards
- Further application at precision control and switch elements in thermally highly loaded industrial applications

DELIVERY

Delivery preferable in loose commodities, in containers or in drums.

RECOMMENDATIONS

ADDINOL BELT LUBE HT 50 and HT 100 are usable for the chain lubrication in high temperature applications:

- **ADDINOL Belt Lube HT 50 is preferably applied in systems of DIEFFENBACHER (conti-panel system) by centralised lubrication systems on rolling rods and chains (older plants)**
- **ADDINOL Belt Lube HT 100 is preferably applied in systems of:**
 - **SIEMPELKAMP (conti-roll systems) by centralised lubrication systems on roller rods and chains**
 - **DIEFFENBACHER (conti-panel system) by centralised lubrication systems on rolling rods and chains**

CHARACTERISTICS

- Highest ageing stability
- Low evaporation loss
- Outstanding protection against friction and wear at various loads and sliding speeds
- Efficient against unwanted stick-slip characteristics (Anti-Stick-Slip)
- Very good creeping properties
- Good corrosion protection of steel and non-ferrous metals
- Miscible with typical competitive products

ADVANTAGES AND BENEFITS

- **Low tendency to form deposits on chain elements**
- **Reduction of consumption and costs**
- **Reliable lubrication of sliding and rolling movements on roller bars of chains**
- **Increase lifetime of sliding elements and chain links**
- **Ensure anti-stick-slip sliding both under minimum and full load**
- **Reliable lubricant film**
- **Reduction of energy consumption**
- **NO attack or discolouration of machine elements, clean surfaces**
- **Easy change to ADDINOL products**



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Preferable application by centralised lubrication systems, dripping oilers, manual or by sump lubrication. Dosage and lubrication intervals depend on chain and plant construction as well as operating conditions.

PLEASE NOTE

Please follow the regulations and instructions of equipment manufacturers. If you have any questions please call our experts for technical application.

SPECIFICATIONS AND TYPICAL PARAMETERS

| Feature | Test condition / unit | | Belt Lube HT 50 | Belt Lube HT 100 | Method acc. to |
|-------------------------------|-----------------------|--------------------|---------------------|---------------------|-----------------|
| Appearance | | | yellow-brown, clear | yellow-brown, clear | visual |
| Density | at 15°C | kg/m ³ | 948 | 930 | DIN 51757 |
| Viscosity | at 40°C | mm ² /s | 55 | 108 | ASTM D 7042 |
| | at 100°C | mm ² /s | 8.4 | 13.0 | |
| | at 200°C | mm ² /s | 1.9 | 2.5 | |
| Viscosity index | | | 125 | 115 | DIN ISO 2909 |
| Flash point | COC | °C min. | 275 | 280 | DIN EN ISO 2592 |
| Pour point | | | -27 | -27 | ASTM D 7346 |
| Corrosion protection on steel | method A | corr.level | passed | | DIN ISO 7120 |
| Corrosivity on copper | at 150°C, 3h | corr.level | 1 | | DIN ISO 2160 |
| | at 150°C, 24h | corr.level | 1 | | |
| Evaporation loss | | | < 2 | | DIN 51581 |
| VKA welding load | | | 1,600 / 1,800 | 1,800 / 2,000 | DIN 51350-2 |
| VKA wear scar diameter | 1h/d300 | mm | 0.30 | | DIN 51350-3 |

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.