Bearings

1. From the manufacture, the bearings are furnished with anti-corrosion grease, which will be applied during heating. This corrosion protection only serves as a basic lubrication during commissioning.

2. The type of lubrication, lubrication intervals, cleaning of bearings and the amount of lubrication as well as equipment for lubrication must always be adapted to the operating conditions and areas of application. Lubricant manufacturer with relevant experience should be invited for lubrication.

3. In order to guarantee the functionality of the bearings, it is necessary to observe the lubrication intervals according to operating temperature and the type of contamination of the environment in which bearings are used:

Operating temperature	Clean environment	Environmental pollution	Heavily polluted environment
50 ° C	Once in 3 years	Once in 6 months	**Once in 3 months**
70 ° C	Once per year	Once in 2 months	Once per month
100 ° C	Once in 3 months	Once in 2 weeks	Once per week
120 ° C	Once in 6 weeks	Once per week	Once in 3 days

4. Bearing life is reduced when insufficient lubrication of bearings or its neglect.

5. Type of lubricant for maintenance of bearings: **SHELL ALVANIA RL 2.**

   Characteristics of the SHELL ALVANIA RL 2:
   It is quality, multi-purpose plastic grease for lubricating bearings. They are made of petroleum-based lithium soap content. They are characterized by high thermal stability, long durability and excellent anti-corrosion properties. During their use in rolling bearings, they offer a guarantee of trouble-free operation, and enable longer intervals of re-lubrication thereby reducing maintenance costs.

6. For operating temperatures up to 50 ° C and heavily polluted environment, **the maintenance is needed at least 1 x per quarter.**
   It is necessary to take into account the dustiness of the environment, operating conditions and other current influences, and to adapt the maintenance to the specific current conditions of the operation in the event of change of conditions of operation.