

LUBE4LIFE U.J.

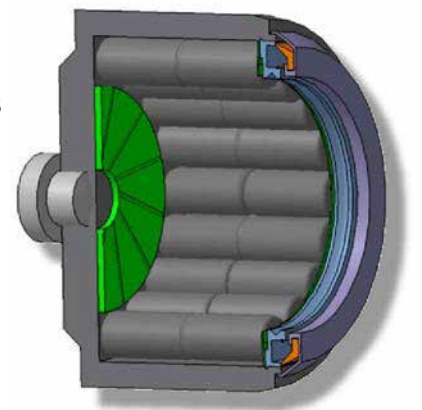
The innovative improvement for industrial cardan shafts

The situation:

Studies show that minimum $\frac{3}{4}$ of cardan shaft failures are subject to poor, incorrect or missing lubrication. As a matter of fact the standard cardan shaft has to be lubricated frequently due to grease loss and / or grease contamination in its operation. This occurs since the re-greasable Universal joint with its lubrication nipples and the corresponding sealing is not a closed system. The sealing design must allow the passing of grease for the lubricating process. Centrifugal forces, temperature changes and hydrodynamic circumstances let the U.J. "breathe". As an effect the Universal joint consequently loses lubricant by its sealing or contaminating material like water or dust penetrates, or is absorbed from outside – leading often to a premature failure.

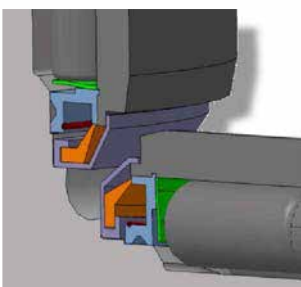
The approach:

CARDANWORKS shafts can be fitted with innovative L4L - Universal joints being provided neither with grease nipples nor with grease channels. This closed system avoids the negative influences on the service life mentioned above. The specially designed sealing system perfectly protects the thus encapsulated bearing internals. For extreme severe usage an especially modified, re-greasable alternative is still available.



The results:

CARDANWORKS shafts equipped with L4L - Universal joint kits extend the service life significantly and:



- avoid downtimes of the application
- avoid maintenance costs
- avoid grease contamination of the environment
- avoid penetration by contaminants
- offer reduced total cost of ownership