## Invented for life

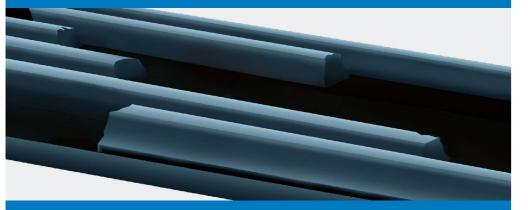




Damage pattern	Cause	Solution	J
Uneven rib profile wear	<ul> <li>Misalignment or roller bearing damage</li> <li>Severe belt vibration</li> </ul>	<ul> <li>Replace belt, tensioner and idler, and if necessary, water pump</li> <li>Ensure proper fitting and set correct tension</li> </ul>	5
Cracking/rupturing of base material	<ul> <li>Temperature too high due to insufficient tension or defective bearing</li> <li>Belt worn</li> <li>Foreign particles influence</li> </ul>	<ul> <li>Ensure proper fitting and set correct tension</li> <li>Replace belt</li> <li>Eliminate foreign particles, check cover and install correctly</li> </ul>	U
Cracking of belt after short usage	<ul> <li>Excessive tension</li> <li>Belt kinked prior to or during fitting</li> <li>Drive components or rollers stiff or blocked</li> </ul>	<ul> <li>Ensure proper fitting and set correct tension</li> <li>Ensure proper belt handling</li> <li>Replace belt, tensioner and idler, and if necessary, water pump</li> </ul>	U
Contamination	Influence of operating fluids, for instance oil, anti-freeze or brake fluid	<ul> <li>Eliminate cause, for instance leakage at engine</li> <li>Replace belt</li> </ul>	U
Damage to belt backing	<ul> <li>Surface of the tensioning or idler pulley damaged</li> </ul>	<ul> <li>Replace belt, tensioner and idler, and if necessary, water pump</li> </ul>	



Abnormal rib profile wear



Noise



Foreign particles influence

Belt ageing

Insufficient tension
Influence from foreign particles or operating fluids
Misalignment

Belt pulley defective

Insufficient or excessive tensionDrive overloaded

Misalignment

Influence from operating fluids

 Eliminate foreign particles, check cover and install correctly

Replace belt

Ensure proper fitting and set correct tensionIdentify and eliminate cause

- Check axial position and axial parallelism of drive and bearing clearance of rollers and replace if necessary
   Check belt pulleys and replace if necessary
- Ensure proper fitting and set correct tension
- Check rollers, drive components and their bearing clearance and replace if necessary
- Check axial position and axial parallelism of drive and bearing clearance of rollers and replace if necessary
- Identify and eliminate cause



(5)

