Continuous, easy lubrication for spherical plain bearings

Valmet roll upgrade for automatic greasing cartridge

Poor greasing of spherical plain bearings can result in serious problems in operating or maintaining rolls. An automatic greasing cartridges upgrade ensures that the roll bearings have enough grease throughout the operation. Sufficient greasing ensures proper functioning of the rolls and maximizes the maintenance intervals of bearings.

Benefits

- Improves spherical plain bearing lubrication
- Prevents bearings from seizing
- Eliminates difficult-to-reach greasing points
- Longer maintenance intervals
- Boosts lubrication for grooved plain bearings

Automatic greasing cartridges prevent corrosion

Spherical plain bearings require a film of lubricant between contact surfaces to prevent corrosion and wear. Poor greasing, which usually comes from relubrication intervals being too long, results in a poor lubricant film. Moisture enters between the plain bearing and center shaft, leading to corrosion and, in the worst case, the center shaft seizes up. When this happens, the roll cannot expand, which in turn imposes axial forces on the bearings at the other end.

Automatic greasing cartridges make lubricating easier and more continuous. The upgrade makes it significantly easier to grease difficult-to-reach points on the drive side, and the automation ensures that grease is added when needed.

Easier, cheaper maintenance

Sometimes insufficient greasing leads to such bad corrosion that it is impossible disassemble the roll during maintenance without using a torch on the pedestal. This can cause cracks that result in the part having to be scrapped. With well-lubricated parts, maintenance goes according the plan and with fewer surprises.