Customer Solution – Pelleting Presses

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Increasing operating hours from 1000 to 6000 through systematic root cause failure analysis and optimisation of lubricant and lubrication method

Background:
Dies and rollers in pelleting presses are exposed to high demands in a rough environment. The reliability of these key components is an important measure for machine up time and productivity.
At a wood pellets production the average mean time between failure (MTBF) of roller bearings in Salmatec pelleting presses was less than two month. Main reason for this premature breakdown was an early failure of lubricants. These commonly used lubricants turned out to be unsuitable for the high demands of the application.

LUBCON Support & Solution:
1. Systematic root cause failure analysis by LUBCON Engineering
2. Evaluation of all influences for premature bearing failure
3. Proposal of strategies and measures to be taken for improved reliability

⇒ Recommendation and approval of ***Turmogrease HDC 2***
⇒ Optimisation of automatic lubrication with ***EasyMatic*** lube system

Customer Benefits:
- Increased MTBF from 1000 to more than 6000 hours
- Exceptional cost savings concerning spare parts and repairs
- Increased machine up time, reliability and production output
- Reduced lubricant consumption, less wear, improved cleanliness

Details:

Machine:	Pelleting Presses (Salmatec)
Application:	Roller Bearings
Lube-system:	EasyMatic
Lubricant:	Turmogrease HDC 2
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