RECYCLING

perma lubrication systems in operation







Challenges

Recycling companies are constantly under pressure. Large price fluctuations, significantly changing market demands and short contract periods with buyers of recycling materials are some of the enormous challenges faced by operators. In order to run their business at a profit, operators require efficient technologies. This makes maintenance and lubrication particularly important for these industries.

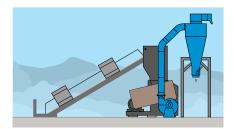
- → Dust, dirt & vibrations
- \rightarrow Changing temperatures
- \rightarrow High energy costs
- → Hard-to-reach and dangerous lubrication points
- → Lack of staff and spread out, complex shredder-, separator- & conveyor systems





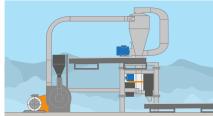
Lubrication points

1 | PREPARATION



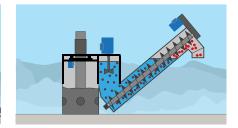
- → Crushing Hammer & impact mills
- → Grinding Granulators

2 | PROCESSING



- → Screening Vibrating screen
- → Separating Air separator
- → Dust removal Electric motors

3 | FINAL PROCESSING



- → Cleaning Scrubbers
- → Drying Blowers & fans
- Transporting Conveyors



Bearing lubrication on a conveyor belt



Bearing lubrication on a conveyor belt



Lubrication of flange bearing on a conveyor



Lubrication of flange bearing on a conveyor



Lubrication of an electric motor on the dryer



Lubrication of a blower during cleaning

Solutions

The selection of the ideal lubrication solution requires the consideration of various factors, including the specific type of application, operating speed and load of the machine, and the ambient temperature. Below are some proposed solutions:

Direct mounting | e.g. with perma FLEX

- → Easy, quick mounting
- → For lubrication points with little vibration | shocks
- → For easy-to-reach and safe lubrication points

Derma FLEX Use extensions, angles & reducers depending on the installation situation

Remote mounting | e.g. with perma STAR VARIO

- → For lubrication points with strong vibration | shocks (isolation of lubrication system)
- → When workers' safety is at risk: Mounting in safe areas
- → For hard-to-reach lubrication points



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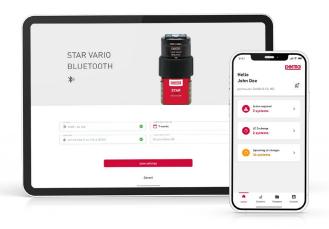
- → Current overview of all lubrication points
- > Coordination of upcoming maintenance work
- ightarrow Reminders for pending exchanges
- > Central management of lubrication points in the web application
- ightarrow Recording of all on site maintenance and exchange tasks via the app

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Find a variety of videos on the perma YouTube channel to get a deeper understanding of the perma CONNECT app.



H-T-L perma USA LP 10333 Westlake Drive CHARLOTTE, NC 28273 USA

Tel.: +1 704 377 3100 800 997 3762 FREE info@permausa.com www.permausa.com