

Introduction

Dropsa has installed many lubrication systems on Pelletisers.

To date this exceeds 600 machines.

Pellet press machines were originally used to make animal feed. They are now used extensively to make bio-pellets.

Modern sawmills collect all the sawdust created from within their factories and then either ship to bio-energy plants for pelletising or in many cases make the bio-pellets in-house.

The end bio pellets products are then used as fuel for heating as an example which is common in Scandinavian countries as well as in Ireland where households using bio-fuel receive tax incentives.

System

A pellet press has between 2 to 4 greasing points.

2 grease points are the main rollers (indicated on the photograph 2) which are extremely important to the function of the press.

Then there is the main shaft and that also needs greasing but to a lesser extent.

Typical hourly grease usage depends on the size of the press and the material that is passing through. The amount of grease can change between 10 to 140 cc per hour.

Dropsa can suggest how much grease is needed depending on the model of press.

Progressive SMX system is used with 234700 pneumatic pump and separate VIP5 controller.



Photo 1



Pump series 234700

Pneumatic pump for oil or grease

VIP5 Controller



A feature packed compact Advanced Lubrication Controller

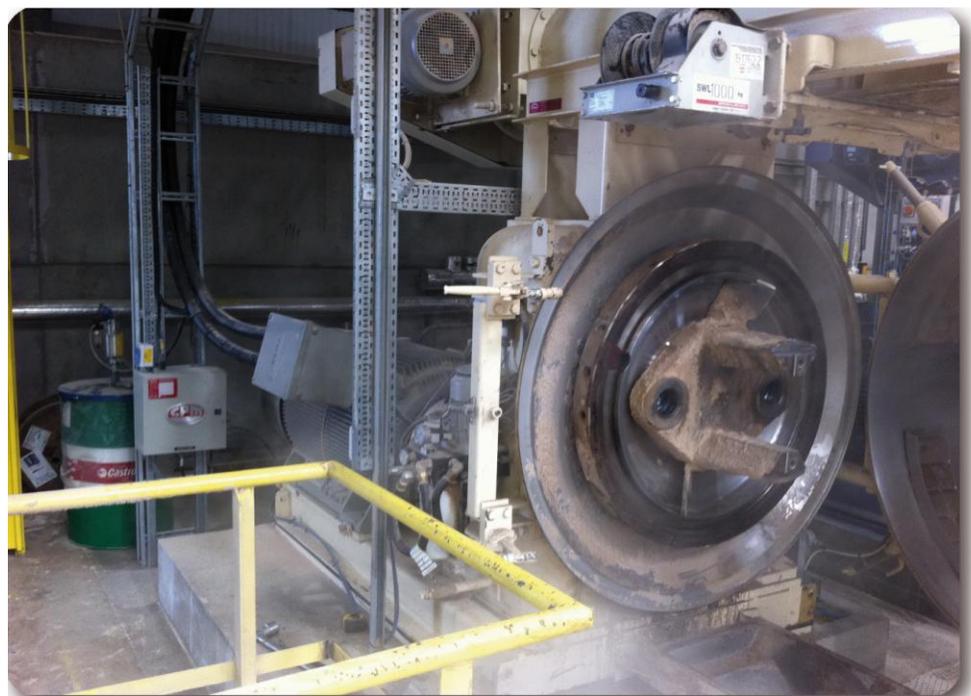


Photo 2



SMX

Easy and flexible assembly and low cost maintenance

The system is also available in ATEX for wood pelletising and currently Dropsa is the only company to offer the pneumatic barrel pump for 50 or 200 KGs suitable for ATEX.