



## Application

To respond to the increasing demand of the market worldwide, steel makers have either already extended their production capacities or started to upgrade their rolling mills to meet customer requirements for volume and quality. Reliability has become a critical factor in keeping production capacities high.

### System Operating parameters:

Fluid: Mineral oil                      ISO 46 or 68  
 Typical Operating Temp.:        60°C (140°F)

## Problem

- Protect the new hydraulic components (mainly, servo-valves and proportional regulating valves), from the effects of contamination by:
- Maintaining fluid cleanliness at ISO 4406 Code <15/13/10
- Keeping maintenance costs low with a filter element service life of approx. 12 months

## Solution

Fit high performance Ultipleat SRT filters:

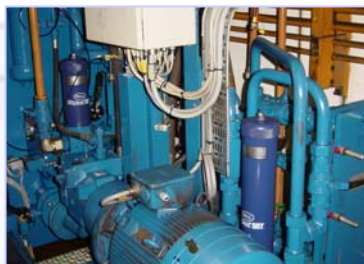
- **Off-line**        1 x Pall **Ultipleat** SRT UR699-20" length @ 300 L/min (80 US gpm) 'AP' media\*  
                       1 x Pall **Ultipleat** SRT UR319-08" length @ 80 L/min (21 US gpm) 'AP' media\*
- **Return-line** 1 x Pall **Ultipleat** SRT UR319-20" length @ 200 L/min (53 US gpm) 'AS' media\*  
                       1 x Pall **Ultipleat** SRT UR699-40" length @ 800 L/min (211 US gpm) 'AS' media\*
- **Filling-line**  2 x Pall **Ultipleat** SRT UR319-08" length @ 30 L/min (8 US gpm) 'AP' media\*

[\* 'AP' =  $\beta_{5(c)} > 1000$ , AS =  $\beta_{12(c)} > 1000$ ]

## Results

- Stabilized system cleanliness level at ISO 4406 14/12/09 cleanliness level
- In excess of 12 months filter element service life
- Reduced maintenance costs on the new hydraulic power pack builds

## Ultipleat® SRT filters protect rolling mill power packs



Pall **Ultipleat** SRT UR319 series filters in the filling and return lines



Pall **Ultipleat** SRT UR699-20" series off-line filter assembly

Contact us at [www.pall.com](http://www.pall.com)