



Application

With an increase of demand in raw materials worldwide, open-cast mines are very active. Operators demand increased reliability and availability of their heavy mobile equipment in order to meet the market demand.

The reliable operation of Draglines is integral to the efficient and effective operation of any coal or phosphate mine site with a direct impact on profitability.

Problem

Improved filtration required to:

- Extend gearbox bearing and gear set service life from 4-6 years out to 10 years +.
- Extend oil life and reduce oil consumption and disposal.
- Reduce costs associated with change out of components.
- Increase reliability and reduce failures caused by contaminated oil.

Solution

- 1 x Pall **Ultipleat**® SRT UR319 – 20" length with 7-micron element. Skid system with integral pumps, valves, piping, electrical and controls.
- Designed specifically for dragline applications: Swing, Hoist, Drag & Propel Gearboxes

Results

- Oil cleanliness improved to a consistent ISO14/12.
- Stabilized filter element service life in excess of 3 months.
- Extended component life past previous 4-6 year achievable life .

Dragline Gearbox Applications



Mining **Dragline** in operation at a Coal Mine



Filter skid system designed specifically for Dragline applications utilizing a Pall **Ultipleat**® SRT filter



Swing and Hoist installation shown.

Contact us at www.pall.com