



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 haul truck fleet is integral to the efficient and effective operation of any mine site with a direct impact on profitability.

Problem

Improved filtration required on CAT 784 to:

- Extend major haul truck component life.
- Extend oil life and reduce consumption and disposal.
- Align main drive line component change out intervals.
- Achieve target cleanliness levels.

Solution

- 1 x Pall **Ultipleat**® SRT UR319 – 20" length filter and 5-micron element on final drive with special valves to prevent reverse flow.
- 2 x Pall **Ultipleat**® SRT UR319 – 20" length filters with 7-micron elements installed on transmission and hydraulics.
- 1 x **Ultipleat**® SRT UR319 – 20" length filter and 5-micron element installed on steering system.
- Pall 0293 breathers installed remotely.
Upgraded to s/steel 3050 series in 2007.

Results

- Extension and alignment of major component change outs to 18000 hrs.
- 500 hrs + between filter changes.
- Reduce oil changes in excess of 60x / year saving over 18,000 ltrs of oil.

Haul Truck Applications



CAT® 784 Belly Dump Haul Truck



Pall **Ultipleat**® SRT installed to final drive, hydraulics, transmission and steering systems.



Contact us at www.pall.com