



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

## Problem

Improve filtration to:

- Extend transmission component life.
- Reduce maintenance costs.
- Improve transmission fluid cleanliness levels from current levels of ISO Code -/20/16.
- Increase filter change intervals.

## Solution

- Installation of a HH8300F24++UBD1 filter housing with Pall DN filter media in the Torque Converter circuit in place of the OEM filter.

*\* Pall recommends utilizing Pall's latest generation of filtration solutions - Pall Ultipleat SRT for all new applications. Pall recommends that the size and location of the filter be carefully checked to ensure a quality upgrade for your application. Contact Pall for details.*

## Results

Incorporation of above filtration resulted in:

- Improved transmission fluid cleanliness to an ISO Code of -/14/10.
- Increased transmission bearing life from 12000 hours to 16398 hours (36.65%). Inspection at this time reported that the bearings were still suitable for a further 15000 hours. They were however replaced as standard procedure.
- Increased filter element service life from 500 to 1200 hours.

## Large Track-Type Tractors



Large Track-Type Tractor



Ultipleat®SRT - UR619

*\* Check transmission fluid operating temperatures for suitability of Pall Ultipleat®SRT filters. If higher than 120 Deg C, Ultipor® III high temperature version of "D" grade filtration medium is recommended. Check with Pall for further details.*

*\* Suitable for various sizes and brands of Track-Type Tractors Consult your local Pall sales office or your closest Pall distributor for direct assistance with these specific applications.*

*\* Documented results may vary depending on specific mine and vehicle conditions.*

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