

## Application

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

The reliable operation of the haul truck fleets is integral to the efficient and effective operation of any mine site, and has a direct impact on profitability.

## Problem

- Improve cleanliness of fluid systems to meet the customer target cleanliness level: ISO Code less than -/16/12.

## Solution

- **STEERING:** 1 X UR319 - 20" length housing with Pall AN filter media located in the return line prior to the tank.
- **TRANSMISSION:** 1 X UR319 - 20" length housing with Pall AN filter media located in the pressure line.
- **FINAL DRIVE:** 1 X UR619 - 20" length housing with Pall AN filter media located before the oil cooler.
- **BRAKES:** 1 X UR619 - 20" length housing with Pall AN filter media located in the return line from the rear brake cooling line.

## Results

Fluid cleanliness levels with specified filtration:

- **STEERING:** ISO Code of -/14/12 after 500 hrs
- **TRANSMISSION:** ISO Code of -/14/11 after 500 hrs
- **FINAL DRIVE:** ISO Code of -/14/10 after 400 hrs
- **BRAKES:** ISO Code of -/15/10 after 500 hrs

## 177 Tonne Payload Haul Trucks



177 Tonne Payload Haul Truck



Final Drive Installation



Brake Installation



Transmission Installation



Steering Installation

\* Suitable for various brands of 177 Tonne Haul Trucks. Consult your local Pall sales office or your nearest Pall distributor for direct assistance with these specific applications.

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

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