

CASE STUDY:

BANLAW FILLSAFE™ MINING

TIME IS MONEY IN MINING

Advantages to your mine:

- ▶ Increases efficiency through faster refuelling times
- ▶ Eliminates the risk of fuel spillage or tank rupture during the refuelling process
- ▶ Reduces maintenance costs and extends the working life of fuel tanks
- ▶ Reduces Occupational Health & Safety related risks from fuel spillages and from staff manually checking tanks.

Most pieces of mining equipment have fuel tanks in excess of 4,000 litres.

That is why refuelling is the single largest cause of fuel loss in the mining sector. It is also why having a full tank is so important in maximising the operation time for each machine.

Banlaw Fillsafe™ can readily accommodate various flow rates and fluid types - diesel, oil or coolant.

It has been installed on a variety of mining equipment including:

- ▶ excavators/ shovels/loaders
- ▶ haul and service trucks
- ▶ fuel farms and storage tanks.

Rates of around 1,000 litres per minute can be achieved without increase in tank pressure.



Banlaw Fillsafe™ helps miners to cut service times through safe and efficient high-speed refuelling with:

- ▶ zero overflow
- ▶ zero spillage and
- ▶ zero pressure on tanks.

GLENCORE CASE STUDY

Banlaw has helped Glencore to achieve safe and efficient refuelling at flow rates of almost 1,100 litres/minute.

Client: Glencore
(formerly Xstrata Coal)

Location: Near Singleton, NSW

Project Cost: \$120,000

Fillsafe™ system on to the mines four Hitachi excavators (EX 2500 and 5500).

Banlaw also designed a new fuel receiver and upgraded the OEM fuel system specifically to be able to cope with the improved inward fuel flow.

A range of other improvements to hydrocarbon management were made at the same time. The site introduced Banlaw's unique flushface couplings to prevent contamination of fuel.

THE SITUATION

To boost productivity, Glencore wanted to be able to achieve refuelling of the fleet of large excavators used at its Glendell Mine at rates of 1,000 litres/minute.

The industry average in the Hunter Valley's around 500 litres/minute.

THE SOLUTION

Banlaw installed its unique Banlaw

THE RESULTS

The mine has a competitive edge by achieving refuelling of its machinery at rates of almost 1,100 litres/minute, double the

industry average. This effectively means it has half the down time when refuelling. The success of the system has led the company to roll out the Banlaw Fillsafe™ system at other nearby Bulga and Lidell mines.

