

# Blasting Oil

Techenomics International has been commissioned to recycle 100,000 litres of waste oil from an Indonesian Coal Mine where a savings of over \$500,000 per annum are anticipated. The waste oil will be collected in a 10,000 litre tank to await treatment, the product will then be transferred to a secondary tank (Blasting Oil) passing through a filtration unit that will remove free water and major contaminants. The blasted oil will be mixed at a ratio of 35% waste oil to 65% fuel oil. The blasting oil will then be pumped through a metered unit into the ANFO truck for use with the blasting process.

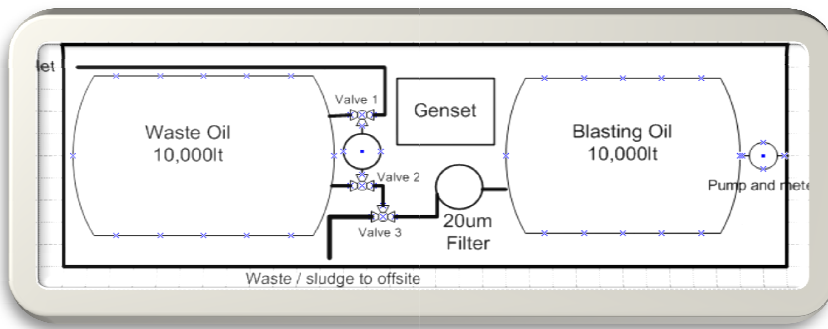
Samples of all “Blasting Oil” will be analyzed and the product certified before being used for blasting. The certification will cover water content, viscosity and ISO cleanliness; all results will be reported on before dispensing into the ANFO truck

## In carrying out the above, the following will be applied.

Techenomics International will supply a waste / blasting oil skid for removal of water to less than 1% and contaminants to less than ISO cleanliness of 20/18.

The skid will be based on the same dimensions as a sea container with twist locks for ease of transporting.

This will require the services of a full time technician to receive the waste oil and treat the oil through a filtration process, carry out the used oil analysis for viscosity, water content, ISO cleanliness and dispense into the ANFO truck.



- ❖ The recycled oil will be used in the blasting process and replace fuel oil in the blasting process using ANFO.
- ❖ Savings of over \$500,000 were achieved.

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Online Client Viewer



Techenomics specialises in providing oil analysis services, and specialty lubricants to the mining industry.



By implementing a regular magnetic plug inspection program you will have a very low cost, effective and immediate early warning



Techenomics filtration services can assist companies with the design and installation of a range of fuel and oil filtration solutions.

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