

# A Bulk Filtration Solutions Offering

Donaldson are the leading worldwide provider of filtration systems that improve people's lives, enhance customers' equipment performance, and protect the environment. They are a technology-driven company committed to satisfying clients' needs for filtration solutions through innovative research and development, application expertise, and a global presence at more than 100 sales, manufacturing, and distribution locations around the world.

Donaldson Filtration products are ideally suited to Africa's challenging environments. Whether it's transport on the growing network of highways that link the continent's important centres, agriculture and mining in our varied climatic zones, industrial air quality in the manufacturing sector, or specialised filtration media for cutting-edge industrial applications, Donaldson excellence makes a difference.

Our continent requires filtration solutions which will enhance working environments on one hand and extend the operating life of vehicles, machinery and equipment on the other. As Africa is increasingly discovering, the comprehensive Donaldson filtration range addresses all of these concerns with products and technology which are at the leading edge of the filtration industry worldwide.

The African environment has extreme variances in temperature giving rise to condensation during the storage of fuel and lubricants, not to mention the high levels of contamination in the air. Fleet operators can buy 'clean' fuel and lubricants only to find that it becomes contaminated during bulk storage as well as in machinery and vehicle tanks.

Using the latest technology available, Donaldson Filtration Systems has not only developed bulk liquid fuel filtration solutions that are well-suited to African conditions, but has also signed contracts with numerous oil companies to provide bulk filtration for mining sites.

*Donaldson Filtration products are ideally suited to Africa's challenging environments*

Furthermore, DFSPL designs and sells bulk filtration systems and currently, they provide solutions for clients in over 15 African countries, including South Africa, Mali, Ghana, Niger, Guinea, Cote D'Ivoire and Zambia. In the near future, three additional regions will be supported: South America, Caribbean and Asia.

Once an inquiry is received, Donaldson's bulk filtration technical

division evaluates the project, informs the client of what is required and designs and sells the filtration system. This system is then installed on site by a local engineering company, after which, a Donaldson technician travels to commission the site.

Most recently, Donaldson worked on a project for Bonikro Mine, a diesel site, in Cote D' Ivoire. Once the filtration system had been installed, Deon Cilliers, Technical Support Engineer, travelled to the site for inspection of the installation and commissioning.

Cilliers states, that in the modern times of high pressure fuel injector systems, it is imperative to have cleaner fuel in order to save downtime and maintenance costs and therefore



drive down TCO (total cost of ownership).

A set of filters was installed on the downloading side with a water separator and particle removal filters. The same set of filters, were installed on the transfer pump to the day tanks and to the dispensing hose reels for the dump trucks and small vehicles respectively. Breathers were also installed to complete the process.

A sample was taken before the filters on down loading and one from the hose reel for the dump trucks. These two samples were compared. The Worldwide Fuel Charter requires an ISO 4406 particulate cleanliness specification of 18/16/13, bearing this in mind, it is clear Donaldson is setting a superior standard for bulk filtration cleanliness.

They provide a value-added service to clients through assistance with design, commissioning and the

selection of a bulk filtration system. A comprehensive after sales support structure provides advice, recommendations, technical assistance and spares.

Donaldson Filtration Systems provides solutions for all bulk fuel and oil filtration and are committed in providing industry with superior filtration solutions.

