

Filtration range gives birth to new addition

Chanel Pringle | Features Writer

Local filter manufacturer Donaldson Filtration has developed a new line of hydraulic filter cartridges, the DX2, as part of its trademarked Tribo-guard range.

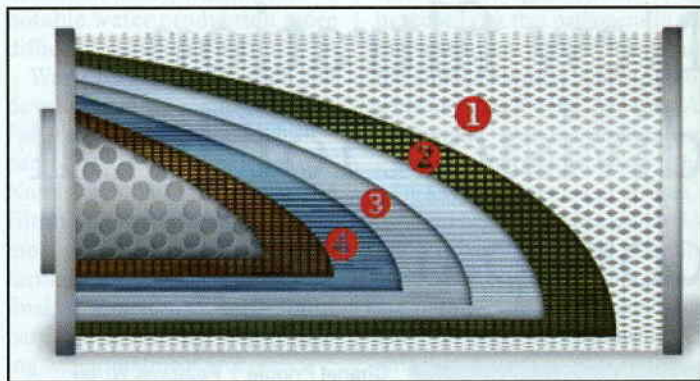
Donaldson sales director **Rob Simpson** explains that the company is continuously carrying out research and development in an effort to enhance and upgrade its product offering. While it has had an existing range of hydraulic filters for many years, this was not a mainstream product line.

The company began developing the improved range of filter cartridges about two years ago. The cartridge

es are more environment-friendly, as the filters are metal free, with excellent drainage properties for improved oil disposal during servicing. "A lot of tests were done, and trials were conducted in the industry. The laboratory results looked good and more field tests will be conducted," says Simpson.

He explains that a large consideration in putting together the new product was its cost-effectiveness and testing was performed to ensure filter compatibility with Donaldson housings as well as other competitors' assemblies.

The filters are suitable for any hydraulic application, but are best



ADVANCED DESIGN

The filter cartridges increase filter life, while reducing maintenance costs

suitable for areas with a managed contamination control programme, such as in the mining, pulp and paper, and steel industries.

"The cartridges are more cost-effective than some other filter elements and early indications and preliminary tests shows that the product is exceeding our expectations in terms of filter life and performance," says Simpson.

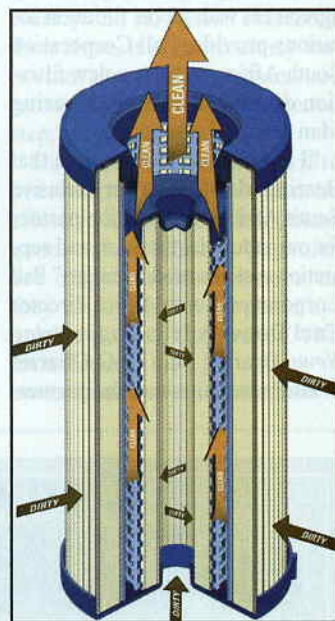
The filter cartridge in essence provides a filter within a filter. It has a dual flow path, reducing flow velocity across the media while increasing surface area for higher dirt holding capacity. The filter cartridge uses a protective outer wrap that protects pleats from damage caused by handling, maintains uniform pleat spacing, and preserves the even flow of fluid into the filter.

Further, it has polymer support mesh, which improves cleanliness, provides better pleat tip support, retains strength during pressure surges, and protects against media damage during manufacturing.

It also features flow control layers, which increase dirt holding capacity, reduce pressure drop, provide even pleat spacing, and protect the media during pleating.

It is made from Donaldson's Synteq media, a synthetic filter media especially developed for fluid filtration. It offers high-efficiency media grades, low flow resistance, and consistent performance throughout the life of the filter.

The filter cartridges increase filter life, while reducing maintenance costs. While the filter car-



DX2 FLOW PATH

It has a dual flow path, reducing flow velocity across the media while increasing surface area for higher dirt holding capacity

tridges are compatible with a range of Donaldson Filtration products, as well as other competitors' products, the company reiterates that the DX2 product line is not a replacement of its range of hydraulic filters.

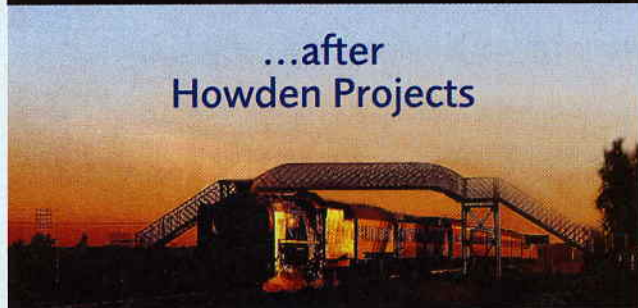
"It is not replacing the older range of filters, but is rather a niche product in the hydraulics filters market that complements our existing range of products," says Simpson.

He concludes that further industry trials in the pulp and paper industry will be conducted during the first quarter of this year, while initial results from steel industry trials were expected to be concluded by the end of February.

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