News from Wanner

Hydra-Cell excels in aircraft manufacturing

High Pressure Coolant Delivery is extremely popular in aerospace manufacturing in order to machine lightweight, advanced engineering alloys more effectively and economically.

One of the world's leading jet propulsion manufacturers is operating a high pressure centralised system throughout its major production plant in order to feed a number of machining cells from a single location, which makes fluid maintenance an easier task.

In order to achieve the required pressure and flow rates, no less than six Hydra-Cell G35 pumps power the system. A seventh Hydra-Cell G35 is kept in reserve to be slotted into the system on a rotational basis when other pumps are due for routine maintenance.

Machining light aircraft alloys produces fine light particles that can get past sedimentary, centrifugal and weir filtration systems, causing wear problems for pumps with dynamic seals. Having a completely seal-less design, Hydra-Cell pumps are completely unaffected by such fines and can handle particles up to 500 microns in diameter with ease.

The inherent reliability of the Hydra-Cell™ design ensures minimal maintenance and down time, guaranteeing long life durability at minimum cost.

Further information from:

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WANNER Hydra-Cell® Seal-less Pump Technology