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factfile

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Taking off with



TRI-FLOW™

the use of Tri-Flow at Gatwick airport

Gatwick is the world's fourth largest airport, with nearly 200,000 flights and more than 20 million passengers every year. Tri-Flow plays an important role in keeping 'planes and people moving.

The remarkable, advanced lubricant is an essential part of the maintenance routine for Gatwick's two "people mover" Rapid Transit Systems. One connects the main South Terminal and the newer North Terminal which opened in 1988.

The two systems operate as dual track shuttles, with automatic, rubber-tyred vehicles running on raised tracks. Round-the-clock maintenance is provided by the Transit Systems section of Gatwick's Engineering Department. Their Maintenance Manager describes one application in which Tri-Flow has been outstanding.

"The original sensors on the door edges of the North Terminal system were susceptible to damage from luggage and so on. We asked the manufacturer, AEG Westinghouse, to fit a modification using sensors in the door motors. These proved highly sensitive to dirt and dust – until we started using Tri-Flow as a lubricant.

"The improvement was astonishing. Door faults dropped from 30 or 40 per day to no more than 2 or 3 a week and that is highly significant. The Transit cars won't operate if a door won't close but now a stoppage is rare. Yet, all we do is wipe the runners clean with Tri-Flow and make a second application to keep them clean – once a month!"

They also use Tri-Flow on the power pick-up joints under the passenger cars. In constant contact with the conductor rail, they were being clogged with a mixture of oil and carbon dust. Now Tri-Flow keeps them clean and helps maintain better than 99% serviceability on the system.

The Engineering Department uses Tri-Flow for a variety of other jobs on a regular basis. The maintenance team has quickly come to appreciate its unique qualities. It not only lubricates, it also displaces dust, dirt and moisture, it penetrates and protects. Tri-Flow helps to keep things moving in the high speed, high pressure atmosphere of one of the world's busiest airports.

for further
information contact:



*Contains P.T.F.E. for enhanced lubrication