

# Clean Air Solution Report-Oil Mist/Smoke



**Application:  
Oil Mist-Ambient**

**Location:  
Sanden International  
Wylie, TX**



Sanden International, a supplier of automotive air compressors, needed to address an issue with coolant mist and oily smoke in a very large manufacturing facility in Texas. The Facilities Manager and Environmental Safety Engineer called upon Micro Air and our distributor, Tapcon to submit a clean air proposal. Because of the large area of air contaminants and budgetary constraints, the proposed solution was to utilize MX6000 ambient (free-hanging) units equipped with a 2" Baffle Impinger, 2" Aluminum Mesh and a 95% efficient oil mist bag filter. The MX6000 units were to be placed in a "racetrack" formation to provide an air change 6.9 times per hour or every 8.6 minutes.

Sanden also had a proposal from a competitor utilizing electrostatic precipitators. In the end, Micro Air was awarded the order for several reasons, one of which was the reduced maintenance a mechanical style unit would offer in place of the electrostatic precipitator.

Thirty four MX6000 oil mist collectors were sold to Sanden and delivered in staggered shipments to meet the installing contractors requirements. The contaminants that had previously hung at ceiling level in a "blue cloud" were efficiently filtered at a level of 95% each time the air passes through a MX6000 unit. All units were placed on or near an aisle for complete accessibility and ease of maintenance/monitoring.

For a customized solution to your facility's smoke or dust issues, please contact Micro Air today.

Micro Air  
PO Box 1138  
Wichita, KS 67201

[WWW.MICROAIRONLINE.COM](http://WWW.MICROAIRONLINE.COM)

Phone: 866-566-4276

Fax: 316-219-2995

Email: [jimo@microaironline.com](mailto:jimo@microaironline.com)