# Maricopa County
**Air Quality Department**

**Office of the Director**
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February 24, 2012

Bill Hofert
Controller - DeVilbiss Automotive Refinishing
11360 South Airfield Rd.
Swanton, OH 43558

Subject: Request for conditional approval for DeVilbiss TEKNA High Efficiency Spray Guns

Dear Mr. Hofert;

The Maricopa County Air Quality Department (department) reviewed the following documents as provided in your February 23, 2012, e-mail:

- U.S. Environmental Protection Agency (EPA) conditional approval letter, July 20, 2011.
- South Coast Air Quality Management District (SCAQMD) conditional approval letter, September 8, 2011.
- Evaluation of the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency (HE) spray guns By PROCESS TECHNOLOGIES GROUP, Project 11-02, June 2011.

The test results documented in Project 11-02, Table 5, indicate that DeVilbiss TEKNA high efficiency spray guns equipped with the appropriate air caps perform at a higher transfer efficiency than the two high-volume, low-pressure spray guns used as comparisons in the testing. The department accepts such evaluation as well as the supporting documents from the EPA and SCAQMD and therefore approves the conditional use of the spray guns identified in this letter.

At this time, the department is conditionally approving the use of the following high efficiency spray guns within the jurisdiction of the Maricopa County Air Quality Department:

- DeVilbiss TEKNA Pro High Efficiency (HE) Spray Gun equipped with TE 10 air cap
- DeVilbiss TEKNA Pro High Efficiency (HE) Spray Gun equipped with TE 20 air cap
- DeVilbiss TEKNA Pro Lite High Efficiency (HE) Spray Guns with the TE 10 air cap
- DeVilbiss TEKNA Pro Lite High Efficiency (HE) Spray Guns with the TE 20 air cap

**This approval is subject to the following conditions:**

1. DeVilbiss must supply written notification with each TEKNA Pro High Efficiency or TEKNA Pro Lite High Efficiency spray gun sold or distributed for use within the jurisdiction of the department that the spray gun is only approved for the application of coatings subject to Maricopa County Air Pollution Control Regulation III, Rule 345, Vehicle and Mobile Equipment Coating.

2. DeVilbiss must supply written notification with each spray gun sold or distributed for use within the jurisdiction of the department that the maximum air pressure supplied to the spray gun must not exceed the following:

| Spray Gun Model | Air Cap | Maximum Supplied Air Pressure |
|---|---|---|
| DeVilbiss TEKNA Pro High Efficiency | TE 10 | 35 psig |
| DeVilbiss TEKNA Pro High Efficiency | TE 20 | 26 psig |
| DeVilbiss TEKNA Pro Lite High Efficiency | TE 10 | 35 psig |
| DeVilbiss TEKNA Pro Lite High Efficiency | TE 20 | 26 psig |

3. DeVilbiss must supply a spray gun mounted needle valve and a pressure gauge clearly identifying the maximum allowable spray gun inlet air pressure to each individual purchasing a TEKNA Pro High Efficiency or TEKNA Pro Lite High Efficiency spray gun for each spray gun sold or distributed for use within the jurisdiction of the department. DeVilbiss must supply written notification with each spray gun sold or distributed for use within the jurisdiction of the department that the pressure gauge must be attached to the spray gun and be in good working condition whenever the spray gun is in operation.
4. This approval is only valid if during actual operation the spray gun is equipped with a properly operating pressure gauge as described in condition number 3.
5. This approval is only valid if during actual operation the air pressure supplied to the spray gun is equal to or less than the maximum air pressure as listed in condition number 2.
6. This approval is valid only for the following:
   - DeVilbiss TEKNA Pro High Efficiency (HE) Spray Gun equipped with TE 10 air cap
   - DeVilbiss TEKNA Pro High Efficiency (HE) Spray Gun equipped with TE 20 air cap
   - DeVilbiss TEKNA Pro Lite High Efficiency (HE) Spray Guns with the TE 10 air cap
   - DeVilbiss TEKNA Pro Lite High Efficiency (HE) Spray Guns with the TE 20 air cap
7. Any modification of the spray gun or pressure gauge design will invalidate this approval unless the modification is approved by the Maricopa County Air Quality Department.

If you have any questions regarding the conditional approval of the DeVilbiss TEKNA Pro spray guns listed above, please call me at (602) 506-6443 or Cheri Dale at (602) 506-3476.
Sincerely,

William D. Wiley, P.E.
Director, Maricopa County Air Quality Department

Cc: Dennis Dickerson, MCAQD
Ken Hooker, MCAQD
Jo Crumbaker, MCAQD
Cheri Dale, MCAQD

WDW/ckd