



## Vegetable Oil Washes May Cause These Serious & Lasting Problems:

### ■ **Ink Roller Train Contamination:**

The evaporation time of Low VOC vegetable ester washes is significantly slower than that of earlier conventional petroleum solvents. It is critical that the rollers are adjusted properly and that the wash-up blade is in working condition. If these residues are not removed completely from the roller train within a few days or weeks, the following problems will begin to surface and will intensify with the passing of time: roller stripping roller swelling, extreme dot gain, ink contamination and toning. Therefore, as a preventive measure, it is critical that all residues of these vegetable oil esters be **ELIMINATED AFTER EVERY WASH-UP.**

### ■ **Plate Sensitivity:**

May occur when Low VOC vegetable esters make contact with the plate. This happens when ink form rollers are left engaged during the press wash-up. These vegetable esters are naturally oleophilic causing background tinting or scumming when they penetrate the grain. Increasing the amount of fountain solution will not fix this problem.

### ■ **Blanket Related Issues:**

It is essential that the blanket be completely cleaned of all solvent residues prior to printing. Swelling may occur if these esters are allowed to penetrate the blanket face.

Make-ready times may be prolonged and proper ink film densities may be difficult to achieve if any Low VOC vegetable oil solvent residues are not removed from the blanket surface.

**For best results, clean the rollers in the following order, being sure that each wash-up step is thoroughly completed before moving to the next.**

1. Apply Low VOC wash to the roller train and allow the product to work into the rollers.
2. Engage the wash-up blade until all the emulsified ink is removed from the roller train.
3. Disengage the wash-up blade and apply **Gans Low VOC Surfactant Remover** (item# GA-305) allowing it to work itself in. This rinse helps to remove any wash residues remaining in the roller train.
4. Engage the wash-up blade and reapply the Low VOC Surfactant Remover allowing any residues to flow into the tray.
5. If this is a color-wash, apply a roller cleaning agent such as **Gans RCC 2000** (item # GA-302) and allow it to thoroughly penetrate the ink train. Now repeat steps 1-4 to remove the roller cleaning agent.
6. A final water rinse to remove any remaining water-soluble materials can be done if needed.

For further assistance, please contact your Gans technical sales representative today!