

## System Testing (Inspection/Monitoring)

Example Wet Film Thickness Test (WFTT) Combe:



**Table 12 Surface grease deposit limits:**

WFTT measurement	Recommended action
200 $\mu\text{m}$ as a mean across The system	Complete Cleaning Required
Any single measurement Above 500 $\mu\text{m}$	Urgent Localised cleaning required (notes 4 & 5)

The mean measurement is calculated by dividing the total of the test results by the number of testing locations.

All reports following a clean should show the Wet Film Thickness Test (WFTT) results prior to cleaning (See table below for an example). From this you will be able to identify if the system is staying within the recommended limits.

Wet Film Thickness Test Locations	Readings	
	Before	After
1 - Canopy	180 $\mu\text{m}$	<50 $\mu\text{m}$
2 - Canopy Behind Filters	>800 $\mu\text{m}$	<50 $\mu\text{m}$
3 - Main Duct Run	>800 $\mu\text{m}$	<50 $\mu\text{m}$
4 - Fan	>800 $\mu\text{m}$	<50 $\mu\text{m}$
5 - Discharge	>800 $\mu\text{m}$	<50 $\mu\text{m}$
<b>Wet Film Thickness Test Mean Before Cleaning = 676 <math>\mu\text{m}</math></b>		

The “Mean” of this system shows that the system was well over due a clean and should be considered for re-cleaning or inspection within a shorter period.

The total number of test locations should be reasonable in-order to establish the overall condition of the system.

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