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- [Specify Model SWK1](#)

SWIFTKit[®]

Detect Surfactants in Aviation Jet Fuel

FEATURES

- **Easy to Use/Rapid Results** Test done in the field, no need to wait for lab results.
- **High Degree of Accuracy** Repeatability to within ± 3 dynes/cm when compared to the ASTM D971 ring method.
- **Economical** Lowest cost per sample analysis.

DESCRIPTION

The patented* SWIFTKit is the first practical device to determine the Interfacial Tension (IFT) of aviation jet fuel in the field. The IFT value is a general indication of the surfactant (surface active agent) level in fuel; higher IFT values indicate lower surfactant levels. Surfactants can disarm coalescer elements, which could allow excess water downstream and into the aircraft.

APPLICATIONS

The SWIFTKit can be used for general quality checks on fuel during transfer and transportation, and particularly for receipts into airport storage. The SWIFTKit is especially useful to determine the condition of clay treatment cartridges by comparing the upstream and downstream IFT values. An increase in IFT value shows that the clay is still effectively doing its job of removing surfactants.

ORDERING INFORMATION



Each SWK1 SWIFTKit box includes:

- 20 sample SWIFTKit tubes
- 5 flush tubes
- 1 wide mouth glass sample jar
- 1 needle holder assembly
- 1 procedure sheet
- 1 illustration of procedure sheet
- 1 safety and MSDS sheet

*U.S. Patent No. 5,305,632.

How To Use The SWIFTKit[®]

- 1**
Sample bottle must be clean



- 2**
Take sample at receipt point;
or
upstream and downstream of



- 3**
Flush the sampling
hose assembly
using the flush
tube.



- 4**
Draw the fuel
sample into the
SWIFTKit tube.
Insure fuel level
is above capillary
tube.



- 5**
Examine capillary
tube to be sure
there are no air
bubbles.



- 6**
After 4 minutes,
read the IFT value
corresponding to
the fuel/water
interface level in
the capillary tube.



Velcon.