



Aviation

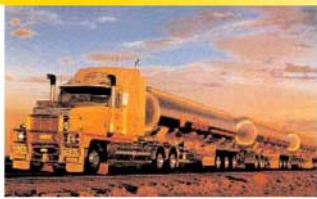
Danger. Water in fuel.
 Use the Shell water detector (SWD)
 The Shell Water Detector is a device for determining the presence of finely dispersed undissolved water in jet fuels at concentrations lower than those normally detectable by visual examination.



Shell water detector distributor - sales@jetfuelequip.com

Where to use the Shell Water detector

ROAD BRIDGER VEHICLE



- Test every receipt

AIRFIELD TANKS



- Test each tank every morning. Test each filter every morning

FILTER DRAINS



FUELLER/TRAILER TANKS



- Test every morning, after every filling, and after heavy rain or washing

FUELLER FILTER DRAIN



- Test every morning after the first fuelling following filling of fueller

HYDRANT DISPENSER



- Test inlet side every morning and after each fuelling
- Customer sample should be taken from outlet side

PROCEDURE



USED FOR DETECTING FINELY DISPERSED UNDISSOLVED WATER IN JET FUEL. A DISTINCT RESPONSE IS GIVEN FROM LEVELS BELOW 30 P.P.M. The Shell Water detector

- Examine capsule. Confirm uniform yellow paper colour.
- Fit detector capsule to syringe.
- Immerse capsule and approximately half of syringe in sample.
- Draw exactly 5ml. through capsule.
- Examine capsule for colour difference.
- A distinctive or mottled green colour gives positive indication of water contamination.
- If fail, on inlet side advise supervisory staff, and take fresh sample from outlet side of filter.
- If fail, advise aircraft representative immediately.

REMEMBER! Shell water detector!!!

USE BEFORE EXPIRY DATE. USE CAPSULE ONCE

The **Shell Water Detector** should be used as follows to check samples of jet fuels immediately after they are drawn.

- a) Road vehicle and RTW drain samples - before discharge into airport storage.
- b) Bottom samples from airport tanks - immediately before release.
- c) Fueller and trailer compartment drain samples - after each replenishment.
- d) Hydrant dispenser filter drain samples - after each aircraft fuelling.
- e) Fueller filter drain samples - after the first aircraft fuelling, after filling or topping up either Fueller or trailer.
- f) Drain samples from filtration equipment on hydrant delivery and Refueller loading rack delivery.

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