

## OIL SAMPLING

### ABOUT US

Since 1990, Haldatec has been providing products and services to the Oil, Gas and related industries in Australia, Pakistan, Singapore, Papua New Guinea, India and New Zealand.

### ENPRO

Our house product label, EnPro, has been developed to complement our core business and has been driven by customer needs. Our comprehensive range includes innovative designs, adaptations and applications introduced to solve problems for our customers.

### STANDARDS

To ensure we provide the best possible support for our customers and suppliers, we have certification to ISO9001:2015.

To obtain a representative sample the following considerations should be addressed.

- 1) The sample should be taken from the centre third of the pipeline
- 2) Upstream of the sampler, the product should be mixed preferably with a properly sized static mixer. This will give a homogeneous mix of the product.
- 3) Two types of systems are normally used:
  - a) Insertion sampler – collects the sample directly from within the pipeline.
  - b) Bypass system – where the sample is collected outside the pipeline. This requires a pitot tube to collect the sample and a pump in the bypass line that will maintain the bypass line flow to that of the flow in the pipeline.
- 4) If the sample is to be transported, a sample cylinder or container that will maintain the sample in the same condition as in the pipeline, should be used.
- 5) If the collection container is permanently fixed, it should have a circulating pump to mix the product before samples are drawn off.
- 6) To actuate the sampler, a conditioned pulse will be required that actuates the sampler proportional to the flow in the pipeline.
- 7) Tubing from the exit of the sampler to the collection device should slope downwards with no reservoir points.
- 8) An insertion sampler should be mounted vertically or at any point to horizontally.