

SAMPLE ANALYSIS of Diesel Fuel

My sample may look clear, but I need to be certain there is no risk of my valuable asset failing in an emergency.

How can I tell if my sample of Diesel Fuel is clean and safe?

Any sample collected from the bottom of a stored Diesel Tank can be easily and quickly assessed for its general quality using a simple visual test.



The age-old test of being able to "read the front page of the Sydney Morning Herald through the sample" is still a fairly safe and reliable method!

The sample should be collected in a clean, clear glass container and held against an ASTM Chart, or similar comparison sheet. It should be clear, transparent and of uniform colour throughout.



To simplest way to confirm the cleanliness of diesel fuel (ULSD), is by using the following basic tests;

Visual Rating (ASTM D4176)

Water Content (ASTM D6304)

Particulate Content (ASTM D6217 and ISO 4406)

Analytical laboratories are also able to perform several addition tests, which may be specific to your application or industry. These may include;

- ASTM D4176 - Visual Rating
- ASTM D6304 (0.01% wt) - Water Content
- ASTM D6217 (1 micron) - Particulate Matter
- ASTM D2274 - Oxidation Stability Test
- NFPA-110 - Standard for Emergency and Standby Power Systems
- ASTM D6217 - Particulate Matter
- ASTM D2274 - Oxygen Stability



An automatic **Diesel Fuel Maintenance System** can be specified and installed onto any size bulk storage tank.

These systems ensure that Diesel fuel is ALWAYS clean & dry and ready to use

"When the lights go out.....it's too late to clean your fuel"