

Mator News

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Provider of innovative consultancy services in **gas/oil/water/solids separation technology**

Sand or sediments in the process, do you have all relevant information for good solids control?

Obtaining good solids control is important for a number of reasons:

- avoid build-up in vessels by optimizing jetting procedures and equipment for solids handling
- maintain maximum volume for fluid retention time, for instance the water phase in 3-phase separators
- reduce particle stabilized emulsions
- limit erosion, for instance produced water reinjection pumps
- minimize oil discharge to sea by keeping the solids volumes through the sand wash system to a minimum

Good solids control requires access to updated information for locations of deposition, concentration, particle size distribution, oil coating or type of sediments.

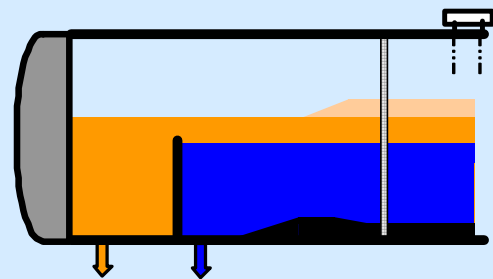
Mator conducts complete surveys including neutron backscatter scanning, equipment testing, and sampling and analysis throughout the production process in order to obtain information about:

- Solids build-up.
- Performance of jetting systems and operating procedures.
- Design basis for PWRI or solids control.
- Performance of solids handling equipment.

Analysis includes:

- particle size distribution
- concentration analysis
- degree of oil coating on particles
- fraction of scale particles
- solids composition analysis

The illustration below gives an example of the sediment build-up in a separator:



MATOR wishes you a Prosperous New Year!

Recent Mator projects:

- ◆ **Norsk Hydro Oseberg projects:** Evaluating the use of methanol
- ◆ **Petoro:** Status of zero discharge projects
- ◆ **PGS / BP Foinaven:** Coagulant test produced water
- ◆ **Statoil:** HYSYS 3-p separator and liq/liq hydrocyclone model verification
- ◆ **Norsk Hydro Grane :** Process mapping and scanning of separators



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