



Hydraspin



Oil water separation system

Separating oil and water with Hydro cyclone initiating spinning vortex

TYPES OF OIL REMOVED:

Free Oil – Oil droplets < 150 micron.

Emulsified Oil – Oil droplets < 150 and > 2 micron.

Dissolved Oil – Oil droplets < 2 micron.

Solids Coated with Oil – Heavy solids more dense than water.



TYPICAL APPLICATIONS

- Produced water.
- Frac water.
- Brine filtration.
- Fire water protection.
- Heat exchanger protection.
- Secondary recovery treatment.
- Tertiary recovery and process.
- Cooling water.

ADVANTAGES

- **Locally manufactured.**
- **30 years experience.**
- **Lower capital cost.**
- **Decreased maintenance.**
- **Simple and reliable.**
- **Solids transfer and handling.**
- **Easy installation.**

MINING INDUSTRY:

- Solvent extraction.
- Mining workshop.
- Wash bay systems.
- Oil storage.
- Bulk fuel storage facilities.
- Storm water run-off from contaminated areas.
- Process water treatment.
- Desanding.

BENEFITS

- Easily accessible data anyway anytime.
- Minimise delays of waiting on water quality results.
- Decrease maintenance.
- Lower capital cost.
- Lower Operational cost of monitoring programs.

SEPARATION EFFICIENCY OF HYDRASPIN

- 95% removal of 10 – 15 micron oil droplets.
- Other gravity based technologies only removes a portion of free oil.
- Industrial process water has a mean particle size of 60-80 micron due to mechanical and chemical sharing.
- Environmental legislation today requires Hydraspin.

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