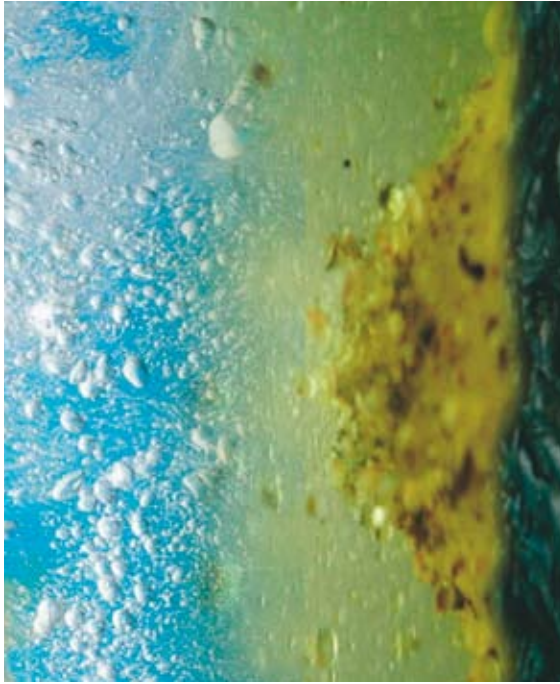




Slop Oil Recovery

Treatment solutions for refineries
Economical and safe operation



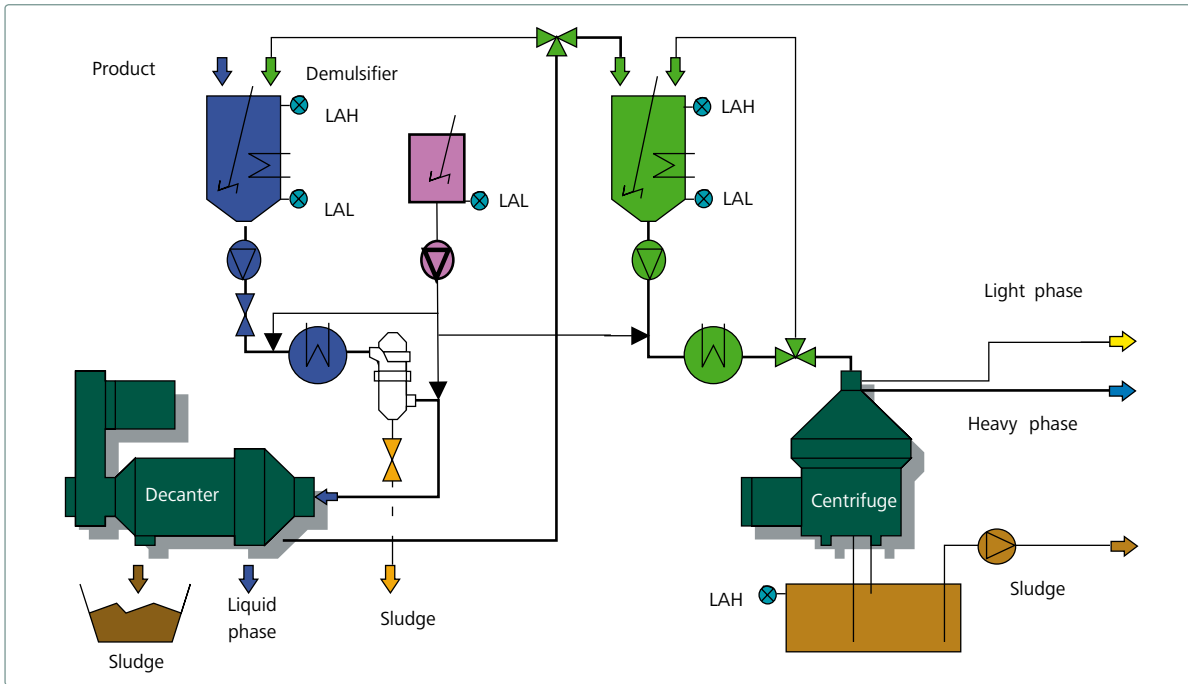
Generate Profit from Slop Oil

Refining slop oil

In refineries all kinds of waste oils are produced – so-called slop oils. They come from drainages, residues and cleaning processes, especially cleaning oil tank bottoms. Most of these slop oils contain a high percentage of oil which can be mixed with crude oil to be processed in the refinery.

If this slop oil is treated, not only disposal costs can be reduced but profit can also be generated with the oil phase recovered from the slop. As the oil as well as water content can vary from 10 to 90% and the solid content can vary from 1 to 10% either disk stack centrifuges or decanters can be used for the treatment of slop oil. Decanters are normally used for infeed with a solid content of more than approx. 5% (by vol.) A disk stack self-cleaning centrifuge can be used downstream the decanter to polish either oil or water phase.

- Two-phase decanter to separate solids from liquid phases
- Disk stack self-cleaning separator to separate the two liquid phases. Here normally the oil phase is the one to be cleaned. Optionally, the water phase can be treated further downstream to avoid disposal costs for oily water
- Oily water treatment systems from Westfalia Separator Mineraloil Systems can reduce the free oil content in water to up to 5 ppm
- As an alternative, three-phase decanters are available



Flow chart of slop oil treatment

Payback in No Time

Slop oil treatment with decanter for high solid content

Scope of supply

2 x CD 305 (crocodile) – 3 phase decanter for the treatment of slop oil.

- No disk stack centrifuge for polishing the oil phase as it is mixed with a high amount of crude oil to be processed in the refinery
- Water phase polished in the already existing water treatment plant
- Disposal costs only for solid content

Payback within a short time – The solution is the slop oil treatment system from Westfalia Separator Mineraloil Systems.



Decanter CD 305 (crocodile)



Refinery with 2 CD 305 decanters integrated

Check Investment for an Economical Solution

Receive an individual estimate

Please fill in the following
questionnaire and send it
back to fax no.:
+49 2522 77-1778
or e-mail:
mineraloilsystems@
gea-westfalia.de

Company: _____

Contact: _____

Phone: _____ Fax: _____

E-mail: _____

Slop oil specification

Viscosity: _____ c St @ _____ °C

Density: _____ g/ml @ _____ °C

Solid content (cat fines): _____ %

Site conditions

Temperature min.: _____ °C

Temperature max.: _____ °C

Humidity: _____ %

Hazardous area classification: _____

Voltage/frequency: _____ V _____ Hz

Heating medium available on site: (electricity, thermal oil, steam)

Product infeed conditions

Temperature min.: _____ °C

Temperature max.: _____ °C

Required capacity: _____ l/h

Special remarks

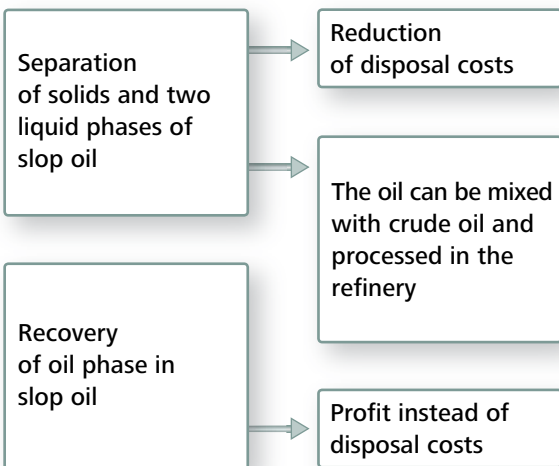


Get Top Results in Combination

Only oil and water treatment systems from Westfalia Separator boost your profit

Separation Results

Customer Benefits



New D-Type separator

Scope of supply

1 x WSC 25 – self-cleaning separator for slop oil in Ex-design.

- Control panel in Ex-design
- Complete plant with auxiliary equipment

These top results can be achieved only with oil and water treatment systems from Westfalia Separator.

- Beverage Technology
- Dairy Technology
- Oils and Fats Processing
- Chemicals, Pharmaceuticals and Biotechnology
- Oils and Fats Recovery
- Starch Technology and Industrial Biotechnology
- Environmental Technology
- Marine
- Energy
- Oilfield
- Industry
- Engineering
- Second Hand Machinery
- Service

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Binding information, in particular relating to capacity data and suitability for specific applications, can only be provided within the framework of concrete inquiries.

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