

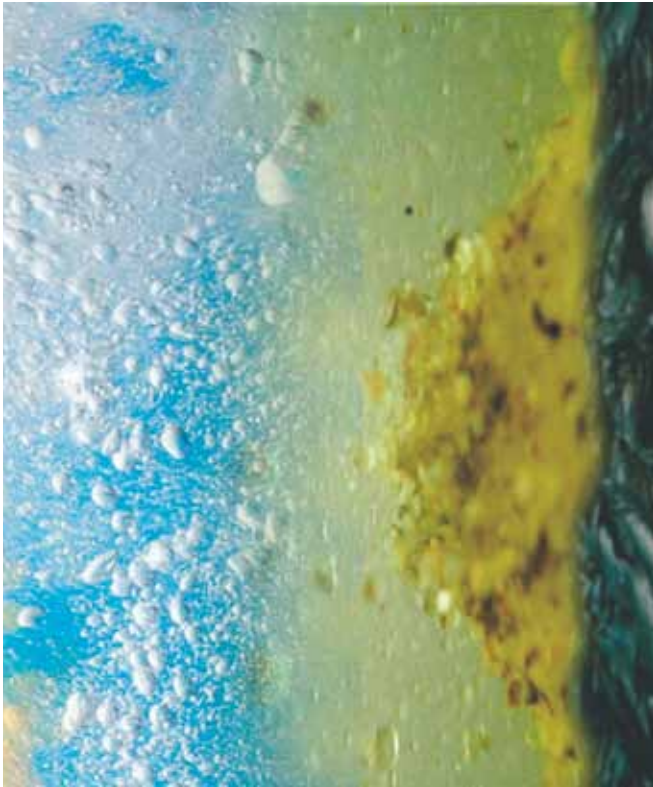
Liquids to Value



Slop Oil Recovery

Treatment solutions from GEA Westfalia Separator for refineries –
economical and safe operation





Generate Profit from Slop Oil

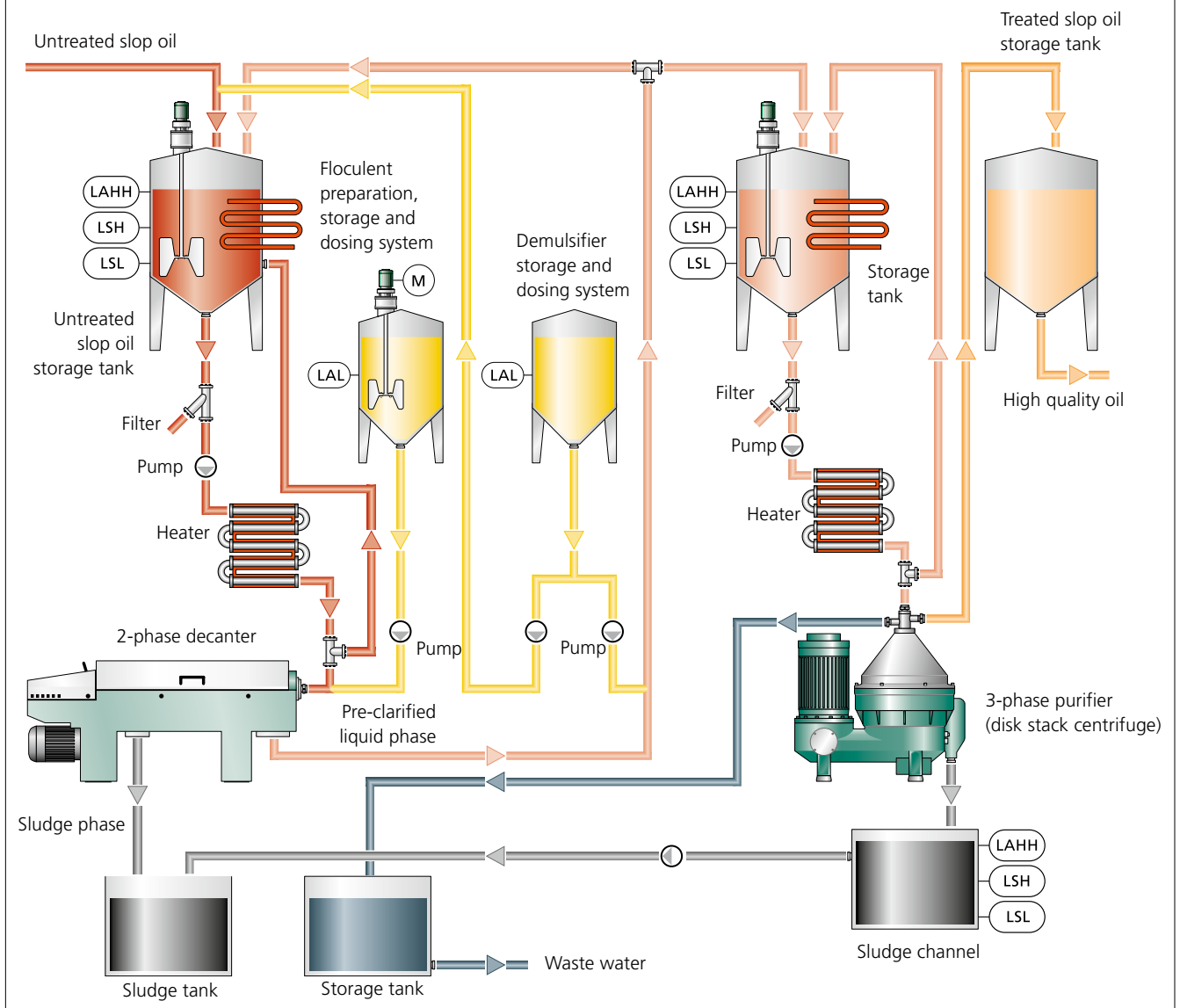
In refineries all kinds of waste oils are produced – so-called slop oils. They come from drainages, residues and cleaning processes, especially cleaning oil tank bottoms. Most of these slop oils contain a high percentage of oil which can be mixed with crude oil to be processed in the refinery.

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 percent and the solid content can vary from 1 to 10 percent 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 percent (by vol). A disk stack self-cleaning centrifuge can be used downstream the decanter to polish either oil or water phase.

- 2-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 GEA Westfalia Separator can reduce the free oil content in water to up to 15 ppm
- As an alternative, 3-phase decanters are available



Flow chart of slop oil treatment

Payback in No Time

Slop oil treatment with decanter for high solid content

Exemplary scope of supply

3-phase decanters for the treatment of slop oil.

- No disk stack centrifuges 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 innovative: the slop oil treatment system from GEA Westfalia Separator.



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 77-5058 or e-mail to ws.systems@geagroup.com

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

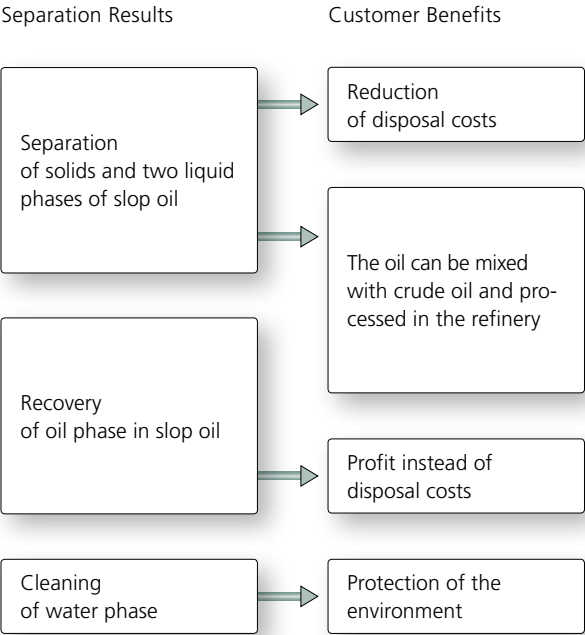
Required capacity: _____ l/h

Special remarks



Get Top Results in Combination

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



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

Exemplary scope of supply
Self-cleaning separators for the treatment of slop oil in Ex-design.

- Control panel in Ex-design
- Complete plant with auxiliary equipment such as mixers



Westfalia Separator® eagleclass separator

- Beverage Technology
- Dairy Technology
- Renewable Resources
- Chemical/Pharmaceutical Technology
- Marine
- Energy
- Oil & Gas
- Environmental Technology
- Engineering
- Second Hand Machinery
- Original Manufacturer Service

The information contained in this brochure merely serves as a non-binding description of our products and is without guarantee.

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

Westfalia® and Westfalia Separator® are registered trademarks of GEA Westfalia Separator GmbH.

Printed on chlorine-free bleached paper

9997-1179-020/0810 EN
Printed in Germany
Subject to modification



GEA Mechanical Equipment

GEA Westfalia Separator

Werner-Habig-Str. 1 · 59302 Oelde (Germany)
Phone +49 2522 77-0 · Fax +49 2522 77-5058
www.westfalia-separator.com