



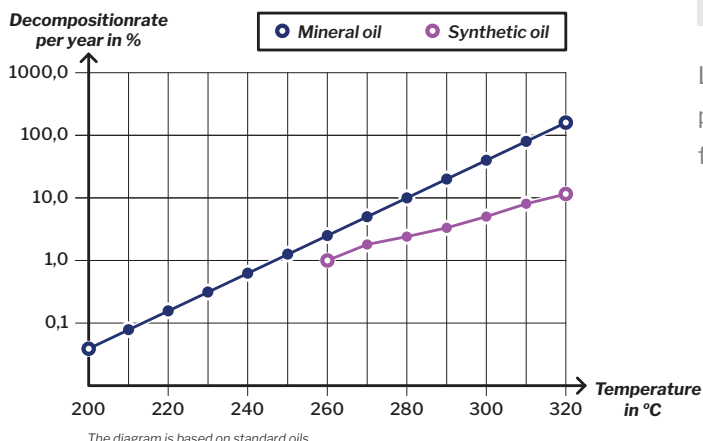
## NESS Active light-ends removal system (NALD250)

Cost-efficient and permanent increase of the flashpoint

Light-ends are continuously generated in thermal oil systems depending on the operating temperature and the type of oil. Basically: The higher the operating temperature, the more light-ends are formed. If the light-ends content increases, the flashpoint of the thermal oil decreases. The lifetime of the thermal oil thereby decreases rapidly over time.

### Your advantages at a glance

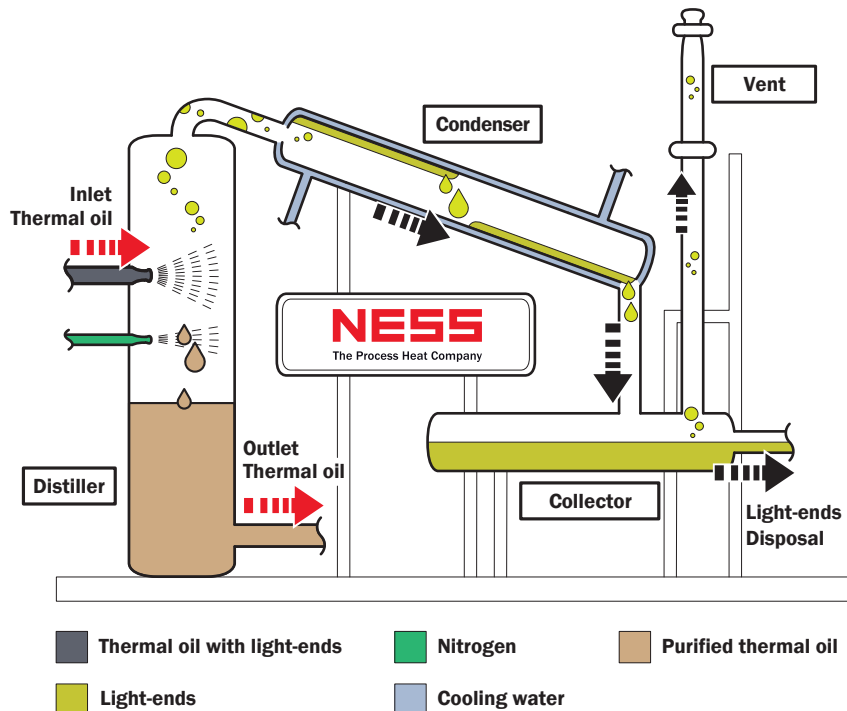
- Reduction in operating costs
- Your maintenance advantage
- Quick amortization
- Increased safety



Light-ends evaporate and ignite even at low temperatures and may endanger the operational safety.

Functionality active light-ends removal system:

Light-ends removal for a safer and more effective plant



**#1** A permanently high flash point is safety relevant

**#2** Less light-ends means less downtime

## Focusing for optimal light-ends removal on your system

Most of the light-ends are generated in the hot supply line, in the heater, and to a lesser extent in the cooler return line. For a typical thermal oil heating system and a supply line temperature of 280 °C, the decomposition rate is 3,5% per year. For 30.000 l of thermal oil this amounts to 1.000 l per year.

The light-ends removal system can be configured modularly and is available for thermal oil systems with oil volumes up to 400.000 l.

The NESS light-ends removal systems remove light-ends from thermal oil. As a result, the flash point is constantly maintained on a high level. The NESS light-ends removal systems improve plant safety and reduce cavitation in pumps.

