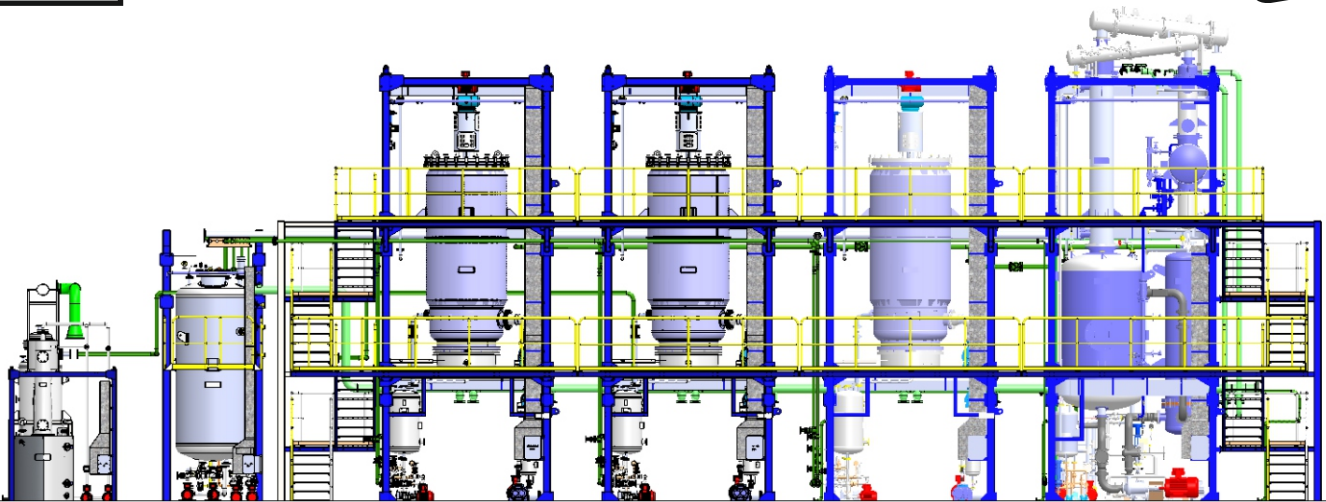


## 22 Re-Refining Plants in 5 Different Continents



### Product Range

- Used Oil Refinery Plant (Group - I, II, III)
- Regenerative Media Based Polishing Systems
- Transformer Oil Recycling Plant
- Automatic Blending Plants
- Grease Manufacturing Plant
- Water Naphtha Separator

**The only Turnkey Re-Refinery Builder**

# PROCESS

## Six Stages of the Process:

Our Plant processes used lube oil, using high vacuum molecular distillation technology in the following six stages:

Stage 1 : De-hydration and De-gas oil Skid I

Stage 2 : Distillation Skid-II & III\*(Depends on plant capacity) Lube oil SN 150 - 500

Stage 3 : Pollution Skid –IV Scrubber and Thermal Oxidizer

Stage 4 : Regenerative Media Based Polishing Systems for Group-I or Hydrogenation Group - II

Stage 5 : Effluent Water Treatment

Stage 6 : Packaging or Bulk dispatch

This process technology re-refines used lube oil to its maximum output by means of environmentally friendly PLC controlled fully automatic, continuous process.

The plant processes used lube oil and industrial oils, using high vacuum molecular distillation technology.

## The Processed Output

- 77% of Base Oil ( SN 80,150, 300, 400-500)
- 4% Diesel, Naphtha & Light Oil
- 14% of residue (Asphalt)
- 5 % water

## By-Products

The Plant will also produce the by-products with the typical characteristics as follows.  
The actual characteristics will be depending on the feedstock.

### 1. Light Fuel

Specific gravity 0.760 - 0.770  
Flash point, °C 20

### 2. Gasoil

Specific gravity 0.840 - 0.860  
Viscosity, cSt at 40°C 3 - 6  
Flash point, °C 55 min  
TAN, mg KOH/gr 0.1

### 3. Asphaltic Residue

Specific gravity 0.900 - 1.050  
Viscosity, cSt @100°C 300  
Ash content, wt% 5 - 10  
Sulfur, wt% 1 - 2  
Softening point, °C 10 - 15  
LHV, kcal/kg 8,500  
Metals, wt% 2 - 4

### 4. 180 CST Fuel Oil

Furnace oil is a dark viscous residual product used as a fuel in different types of combustion equipment. kinematic viscosity range of 125 to 180 CST at 50°C



📍 405 The Summit Business Bay, Western Express Hwy, Vile Parle, Mumbai, Maharashtra 400057.  
☎ +91 8369197054 / +91 22 2617 8080-84 ✉ sales@thermopac.in

