



Technology & Services for:

Used Lubricant Re-refinery

Enviroflex Altöltechnik GmbH is a German company, we are a subsidiary of **Enviroflex GmbH** with headquarter in Vienna Austria. We deliver complete **Used Lube Oil Re-refineries** for production of Base Lube Oil. Our designed Re-refineries consist of several Distillation/Evaporation stages in low and very high vacuum by Distillation Towers and Wiped-Film Short-Path Evaporators. The distilled black oil is treated in Treatment & Polishing Plants called "**POLISHLUBE**" which are designed and manufactured by us in Germany. The **POLISHLUBE** plants are used to pass the distilled black lube oil through **Activated Sorbent** called **TURBOSORB** which is blended & developed by Enviroflex. The color, sulfur, acidity, smell and aromatic contents of oil are reduced to produce Base Oil as per **API Group II quality**. The Sorbent is reactivated hundreds of times in the **POLISHLUBE** plants before replacement. **Enviroflex Altöltechnik GmbH** also manufactures Mobile & Stationary Transformer/Insulation Oil Purification & Regeneration Plants.

- Production of Base Lube Oil & Distilled Fuel from Used Motor Oil & Used Lubricants
- Base Oil with quality **API Group II**
- Extraction light fuel and heavy distilled fuel (Diesel)
- Heavy hydrocarbon Residue used at Asphalts Factories
- Evaporation/Distillation process under low & high vacuum by Vacuum distillation Towers & Short-path Evaporators
- Different Base Oil viscosities by vacuum setting and several distillations Maximum base lube oil recovery up to 82%
- High Vacuum Pressure, up to **0.3 mbar a**
- Low evaporation temperature, **Max. 310° C** (preventing any cracking)
- Polishing/ Decolorization by Activated Sorbent
- Sorbent Reactivation hundreds of times
- Different plant feed amount Capacities, **1 ton/day** up to **100 ton/day**
- Product without any bad smell, Stable product, no color degradation
- No emission, usage of chemical scrubber, and activated carbon filter for preventing any air pollution



Polishing Module of **POLISHLUBE** Plant

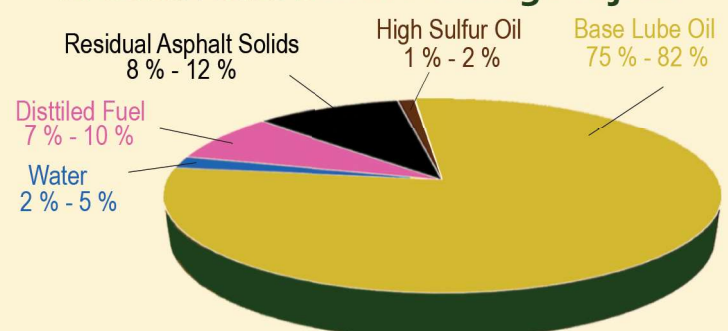


Environment Friendly Process, Zero Discharge

Economical Feasible Project

Short Investment Payback Period (1-3 years)
High Internal Rate of Return

Typical Percentage of Extracted Products of Used Lube Oil Re-refining Project



Process Diagram of Used Lube Oil Re-refinery - 50 ton/day (Feed)

