

## Lube oil Blending and Filling Plant

Various lubricating base oils are charged into blending vessel through flow indicator cum controller in fixed proportions depending on finished product desired. This is then dehydrated at atmospheric pressure followed by addition of various additives. Subsequently the blended product is filtered through centrifugal filter which retains any particle of size above 2 micron. This may then be filled in packs varying from ½ lit to 210 lit.

### Material Balance / Yields

Since the process involved is that of mixing hence losses are minimal, yields being about 99%.

#### Arslan's Lube oil blending oil project is favourable to manufacture below lube oil -

1. Different Grade of Engine oil
2. Transmission / Gear oil
3. Break oil
4. Hydraulic oil
5. Industrial oil
6. Transformer oil
7. White oil
8. Other Process oils
- 9.

ARSLAN ENGINERY offers complete turnkey plants on epc basis for the production of a wide range of lubricants oil. The services offered by us include plant design. Detailed engineering services, tank farm design, equipment manufacture and supply, erection and commissioning lab set up. Training formulations. Raw material sourcing, supply and marketing help across mean & globally.

#### We are providing number application to extract the base lube oil from below source:

1. Used waste lube Oil Plant
2. Virgin crude Oil Plant
3. Oil blending Equipment to make a perfect grade.
4. Final Filling and labelling Machine

Various lubricating base oils are charged into blending vessel through flow indicator cum controller in fixed proportions depending on finished product desired. This is then dehydrated at atmospheric pressure followed by addition of various additives. Subsequently the blended product is filtered through centrifugal filter which retains any particle of size above 2 micron. This may then be filled in packs varying from ½ lit to 210 lit.

### Material Balance / Yields

Since the process involved is that of mixing hence losses are minimal, yields being about 99%.

### Equipment & Utilities under scope of ARSLAN for LOB Plant -

Thermic Fluid Heater Air compressor cooling tower, Blending vessel with heating coil/jacket duly insulated, Dissolution vessel similar to above for making polymer solution, Charging pump with motor provided with suction strainer, Circulation pump with motor provided with suction strainer, Barrel filling arrangement with conveyor, Automatic /semi-automatic filling machine for filling

drum's / tins, Basket / bag type filter with heating jacket, Screw pump with motor for charging polymer solution.

## **PLANTS ARE TAILOR MADE TO MEET THE PROJECT COST AND LOCAL MARKET CONDITIONS.**

### **TYPES OF LUBRICANTS**

- Automotive lubricants
- Industrial lubricants
- Marine lubricants
- Synthetic lubricants
- Transmission oil
- All grades of Engine oil

### **PLANT LIST:**

- blenders (abb.ilb.smb)
- pigging units
- drum decanters
- filling lines
- filters
- thermic fluid heaters
- coolers/heat exchangers
- testing equipments
- automation and scada
- piping and instrumentation
- laboratory plants
- skids and platform mounted plants

The Lube oil blending plant is one of the best industrial business solutions for newcomers as well as expert industrialist. We provide the complete lube oil blending turnkey plant and projects with complete EPC and marketing solution from raw materials to end product selling by our internationally marketing executive and channel.

We manufacture lube oil blending plant equipment, machinery and feeling labelling machine. The lube oil blending process consists of process engineering P&ID and feeds engineering. rest are same as oil & gas industry, basically lube oil blending plant design are bit simple and easy because only thing are involved are heating and cooling after adding the additive which define the different grade of lube oil like engine oil, gear oil, brake oil, hydraulic oil and others, it's basically depends upon the lube oil blending plant manufacturers or operator. The lubricant oil blending plant is easy to install because of easy and systematic process. Feel free to contact us for getting more info and lube oil blending plant cost which will come at your location with installation.