

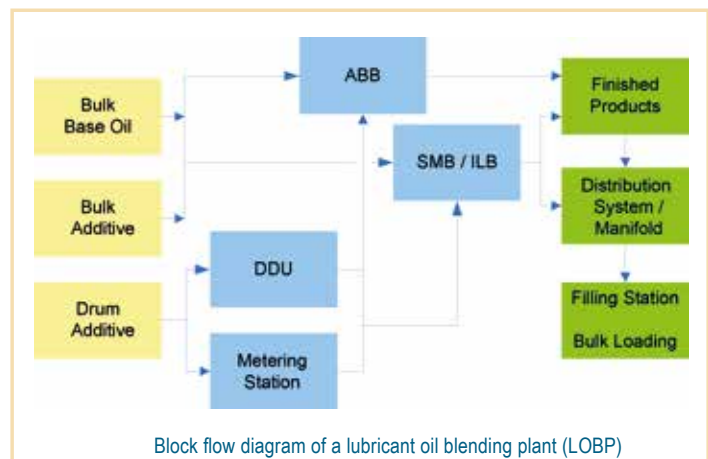
□ LUBE OIL BLENDING PLANTS

EDL Anlagenbau Gesellschaft mbH designs and supplies complete lube oil blending plants and core equipment for the efficient and innovative production of lubricants.

THE PROCESS

State-of-the-art continuous and batch-type blending processes, high-precision metering techniques and high competence in plant engineering and construction are the ingredients for EDL to ensure an efficient and innovative production of lubricants.

Advanced lube oil blending plants employ sophisticated equipment and flexible technologies to generate a great variety of products and meet the most diverse customer requirements.



INTEGRATED PLANT ENGINEERING

As general contractor, EDL has the professional expertise and specialist know-how to design and build complete lubricant plants and certain main components from a single source:

- Studies (debottlenecking, energy efficiency, revamp etc.)
- Engineering (basic, detail etc.)
- Supply (blending equipment, peripheral systems etc.)
- Construction supervision and commissioning
- Aftersales service (maintenance, training, troubleshooting)



Lube oil blending plant with Simultaneous Metering Blender (SMB) and Dosing Manifold for automatic production of up to 40 batches per day. GS Caltex Corporation, Seoul / South Korea, 2015.

EDL ANLAGENBAU GESELLSCHAFT MBH

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MAIN COMPONENTS OF A LUBE OIL BLENDING PLANT

- ABB ... Automatic Batch Blender
- SMB ... Simultaneous Metering Blender
- ILB ... Inline Blender
- DMB ... Dissolving Mixing Blender
- DDU ... Drum Decanting Unit
- VI ... Viscosity Improver Unit
- DO ... Drum Oven
- Manifolds
- Pigging systems
- Automation / DCS
- Blow moulding machines
- Filling systems
- Warehouse



View of an ABB

The **Drum Decanting Unit (DDU)** is designed for automatic and high-precision decanting and metering of additives from drums.

The **Automatic Batch Blender (ABB)** is used in the batch-type production of special products by blending different additives with base oils.



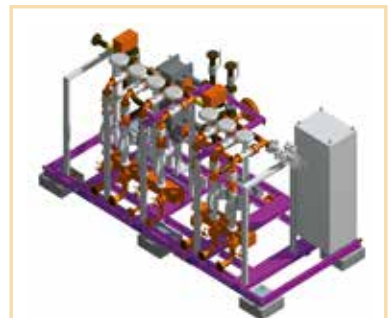
View of a DDU

The **Simultaneous Metering Blender (SMB) and Inline Blender (ILB)** serve for the continuous production of mass products by high-precision metering of additives to a base oil flow.



View of a VI mixer

Viscosity improver additives are used to increase the viscosity index. Various types of polymers are dissolved in the **Viscosity Improver Unit (VI)** and added to the base oils to attain a more stable viscosity of the final products.



View of a SMB

SKID DELIVERY TO YOUR ADVANTAGE

EDL delivers skid-mounted blending equipment:

- All core equipment components come preassembled on steel frames and are tested and certified as a whole unit.
- The advantages for our customers are as follows:
 - Easy handling and integration into existing plants
 - Substantial reduction of installation costs and time
 - Highest quality is ensured by module prefabrication in Germany

We are more than willing to supply you with more detailed information in a personal meeting.

WWW.EDL.POERNER.DE