

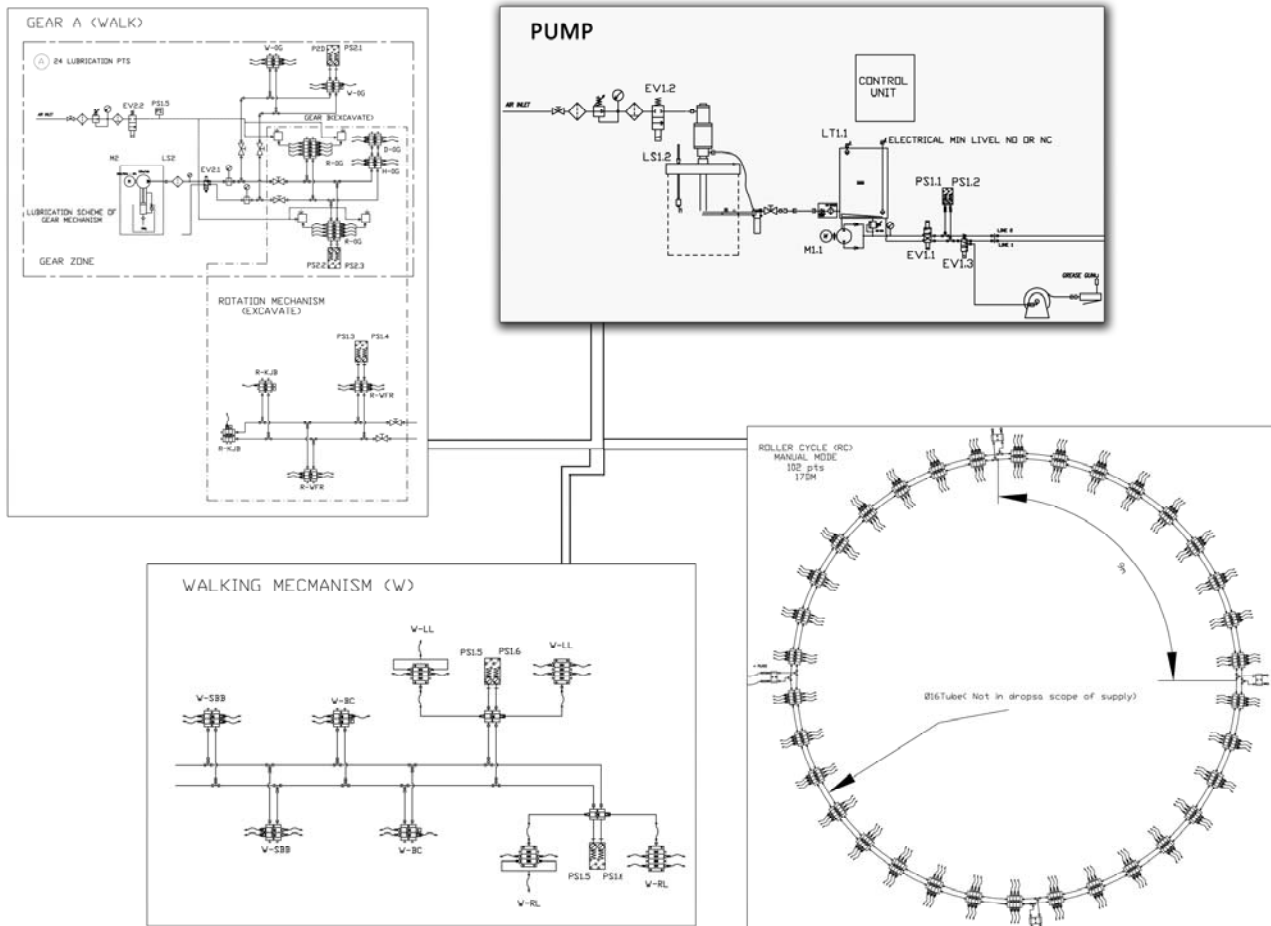
DropsA has plenty of experience with mobile lubrication. This case study shows a typical system for a walking excavator. This excavator is in Siberia, Russia so the lubrication system is in a very harsh and cold environment.

Walking excavator is used in the open pit mining sector. Large quantity of earth is dug up and transported into the main production department where the raw material of Carbon is separated from soil.



Analysis of the lubrication system

The temperature reaches -50°C and some points and pumps are placed outside. Engineering phase is essential on this type of project considering harsh environment.



DropsA proposed:

- **SUMO + enclosed in heated cabinet**
The pump is mounted into SS316 enclosures that protects from external agents and protect from the low temperature. The cabinet and distributing are supplied of heaters.
- **Dual Line divider (DM)**
DropsA dual line divider allows to maintain a correct distribution of grease on each point. They are suitable for low temperatures, the system can reaches long distance.
- **VIP5 (DropsA SW based)**
DropsA software permits to have all the functions requested from the specification, keeping under control the cost.

