



CASE STUDY: STEEL MILL

APPLICATION: PORTABLE LUBE BUILDING

Management at this steel mill realized that a significant amount of time was wasted by lube technicians walking to and from the single existing lube room on one end of the large building. They were looking to set up a new lube room, but didn't want to use any of the limited space inside the building. They approached FLO to design a complete lube room inside a shipping container that could be situated outside the mill.

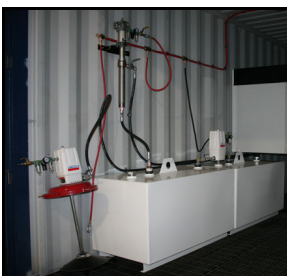
THE FLO SOLUTION

FLO's designed Lube Building incorporated a steel, high cube 20' shipping container with an exterior 3' x 7' metal door and double end doors for the storage area. It included a containment floor complete with removable bar grating to ensure spill containment in the event of a tank leaking or spillage during filling. All lights, receptacles and light switches were explosion proof and the externally mounted electric entrance box Nema water proof.



The final solution design included:

- 1 Grease Handling Station for 120lb kegs, with an air-operated chassis pump package with air regulator, filter, lubricator and gauge, and a heavy duty "Grease" hose reel with 50' of high pressure hose.
- 3 Bulk Lube Oil Stations (for coolant, transmission, engine oil), each with a steel tank, with either a SS stub pump or 5:1 air-operated pump package with air regulator, filter, lubricator and gauge, and a heavy duty hose reel with 50' of medium pressure hose. Each tank also had a level indicator and being double-walled, was vacuum monitored.
- 1 Bulk Lube Oil Station for gear oil, with a double-walled, vacuum monitored steel tank, and a 5:1 air-operated pump package with air regulator, filter, lubricator and gauge. A bulk connection line runs from the fill port of the gear oil tank, to the outside of the lube building wall, to be able to fill the tank directly from delivery trucks. Delivery lines take gear oil several meters from the tank, to a central location for filling gear boxes inside the actual facilities.



FLO RESULTS

Installing the system was a relatively quick and simple matter of shipping in the completed container and connecting up the lube lines and utilities. The mill was able to improve efficiency by adding the new lube building, without using up valuable space in the facility. Having a complete portable lube building also gives the company the option to easily relocate it to a different place inside or outside the building if they are reorganizing the facilities in the future or even to a separate location if required.

**For Total Lube Solutions,
GO WITH THE FLO!**

FLO Components Ltd., 50 Admiral Blvd., Mississauga, ON, L5T 2W1
1.800.668.5458 • sales@flocomponents.com • www.flocomponents.com