

LESSON LEARNED



06/2014

OIL DISPENSING SYSTEM

DATE: October 2014

ISSUED BY: QHSE DEPARTMENT

OBJECT: WORKSHOP OIL SUPPLY

DESCRIPTION:

The mechanical workshops present on-site also performs oil change operations - engine and hydraulic system. For this operation the procedure is, normally, a standard one: using an oil tank, pump, cone, retainers, etc.



The normal method has a lot of inconveniences:

- risk of environmental hazard;
- increased housekeeping;
- increased attention;
- time loss;
- lack of efficiency.

PURPOSE

- decreasing / eliminating the inconveniences;
- implementing a **high efficiency system**.



SOLUTION

Building a dispensing system that supplies oil.

An interesting solution, adopted in a project in Mexico, involves an oil dispensing system, in which the oil tanks are stored on dedicated metal supports, in a special area/ room to avoid any potential hazards. The transportation to work point/station is performed through a pipe system equipped with pumps, that also have flowmeters to monitor and measure the amount in real-time.



Main stages:

- ✓ setting-up a dedicated area for the oil tanks;
- ✓ building oil tank supports (and install oil tanks);
- ✓ installing the transportation pipes network;
- ✓ installing oil pumps (with flowmeters);
- ✓ cleaning the inside of the network;
- ✓ testing the system.

