



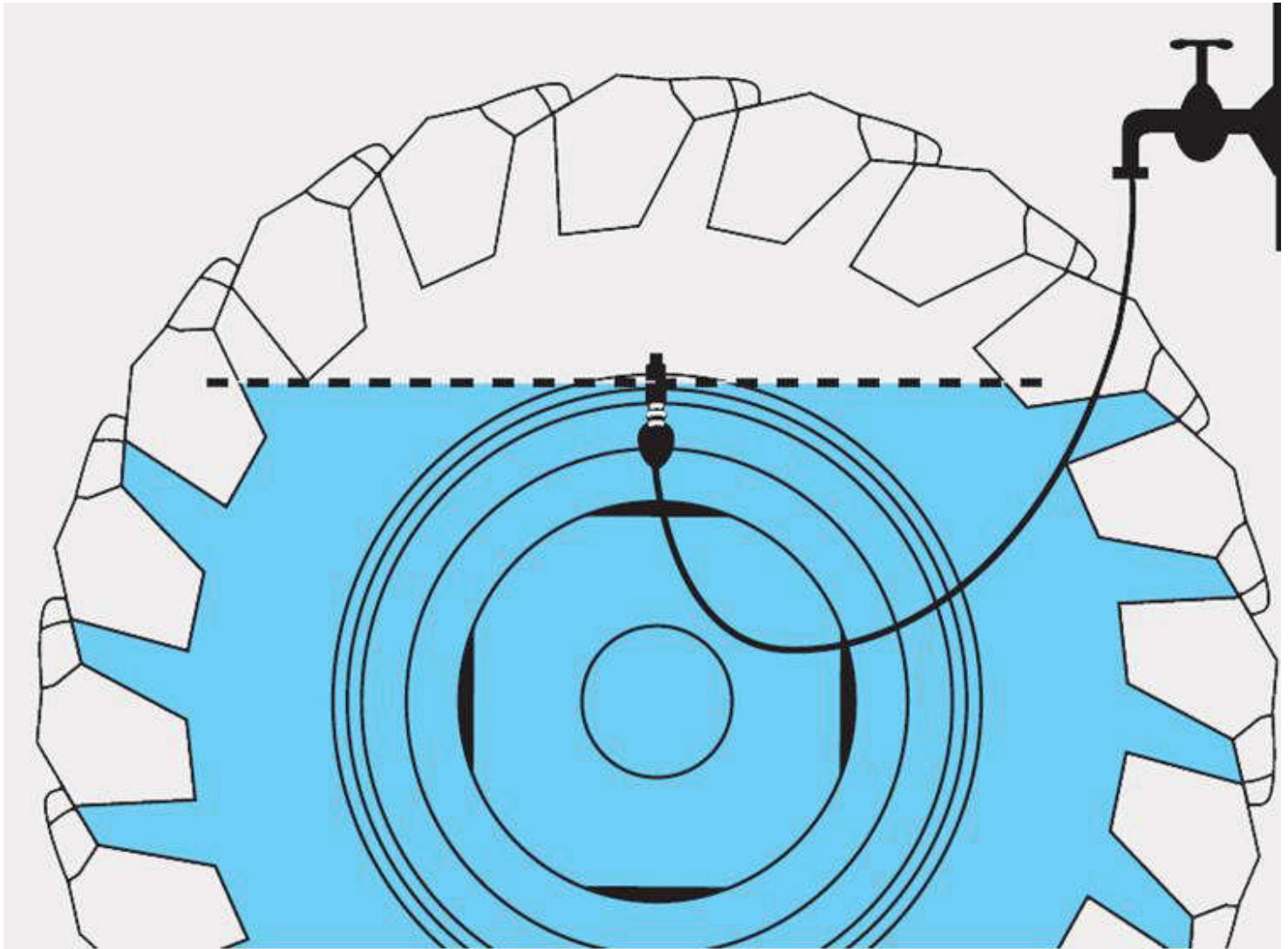
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ROAD AND MINERAL TECHNOLOGIES

# Tyre Ballasting



- A. What?
- B. Why ?

**WARNING:**

- ◆ **Liquid ballasting can be done only on tires already fitted on rims and deflated.**
- ◆ **DO NOT mount tires on rims with liquids or air-liquid mixtures**

**What is mean by Ballasting?**

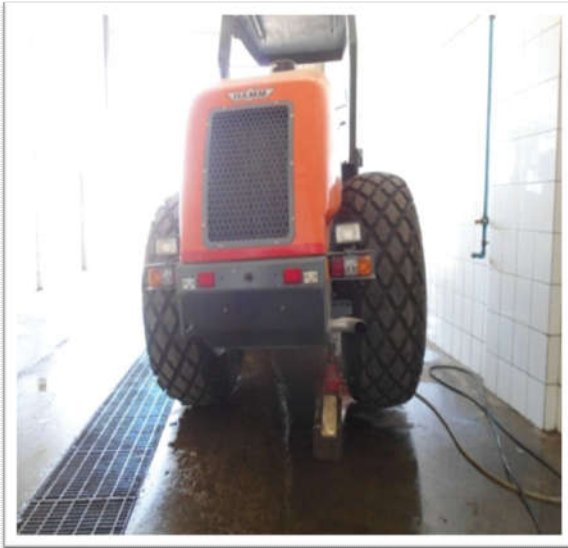
“Ballast means- Weight, Counter weight, Make weight, Stabilizer, balance & Etc”

**Why Ballasting?**

- a) Increase Machine Weight
- b) Increase Machine stability
- c) Improve traction force
- d) Reduce tire slippage

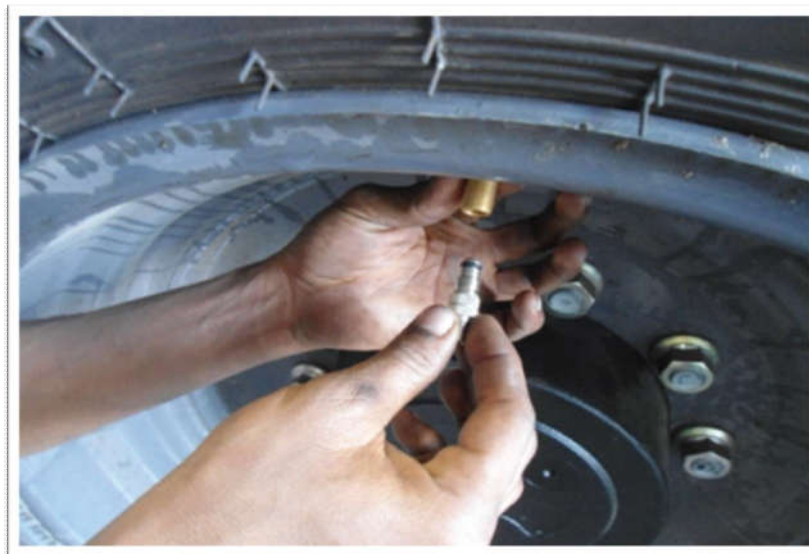
## Tools & Gauges required

NO	Name	Quantity
1	Water quantity measuring gauge (Flow meter)	1 no
1	Air Measure gauge	1 no
1	Jack ( Hyd or Mech)	1 no
1	Air filling adaptors	1 set



## Step 1

Lift the machine from LH back side Shown in on photo position ,  
using jack to facilitate 50 mm gap between tyre & floor



## Step 2

Start machine and bring air filling valve up side  
Remove the air valve and release the air from tyre, if any



### Step 3

Connect water flow meter, fill 500 Ltr of water. If flow meter is not available, fill the water up to 3/4 of tyre height.



### Step 4

After 550 Ltr of water filling Remove water pipe & fill air in tyre 1.1 bar (or) 16 psi  
Check Air & water leakage from the tyre & near air valve  
Repeat the process for other side.

**This completes the process**