



Mobile Oil-Spill Recovery Unit For Collection of Leaked-Out Petroleum Products From Pipelines and Refineries



IPWT, a renowned name in the field of environmental technology, now offers the all new vehicle-mounted, PTO (power take-off) driven **MOSRU® Oil Spill Recovery Machine**.

Various regulations are laid down by relevant government agencies concerning cleaning of oil spills, which need to be adhered, for safeguarding the environment. Until recent years there was no systematic method available for collection of leaked petroleum products, causing substantial environmental damage. With **MOSRU®**, this is a thing of the past!

MOSRU® consists of a collection tank with 360° rotatable suction boom and a superior dual cooled (air + water cooled) vacuum pump or compressor system. The power to the system is given from the truck engine through the PTO, creating the required vacuum in the tank for suction of the leaked product.

MOSRU® comes equipped with a lighting system and an independent power generator, for carrying out operations during night and in remote areas.

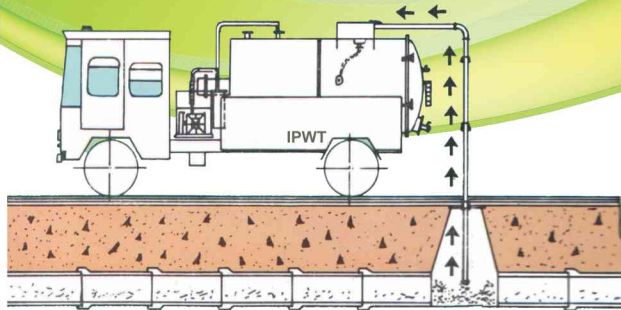
Other features included in the **MOSRU® Oil Spill Recovery Machine** are : simplified control panel for easy operation ; reliable top-of-the-line hydraulics for driving the system ; corrosion-resistant collection tank ; convenient storage compartment for tools and accessories (optional) ; and a large assortment of custom-built accessories for added efficiency and long-term dependability.

MOSRU® Oil Spill Recovery Machines are custom-made in capacities depending on gross vehicle weight (GVW) of truck chassis (suggested tank capacities : 1500 lts. on 5 ton GVW chassis ; 3000 lts. on 10 ton GVW chassis ; 6000 lts. on 16 ton GVW chassis ; 12000 lts. on 25 ton GVW chassis).

Maintenance is virtually nil for these rugged machines and at the time when they need to be serviced, our after sales service is just a phone call away!

1. Mid-size **MOSRU®** (6000 lts.) ; on 16 ton GVW chassis ; supplied to Bharat Petroleum Corporation Ltd., Kochi in 2009.
2. Mid-size **MOSRU®** (6000 lts.) ; on 16 ton GVW chassis ; supplied to Indian Oil Corporation Ltd., Guwahati in 2006
3. Mid-size **MOSRU®** (6000 lts.) ; on 16 ton GVW chassis ; supplied to Bharat Oman Refinery Ltd., New Delhi in 2010

Schematic diagram showing **MOSRU**[®] used at catch-pit to collect the spillage / leakage from under- ground product pipeline. **MOSRU**[®] could also be employed for recovery of oil from slop tank.



A SIMPLE CLEANING PRINCIPLE :

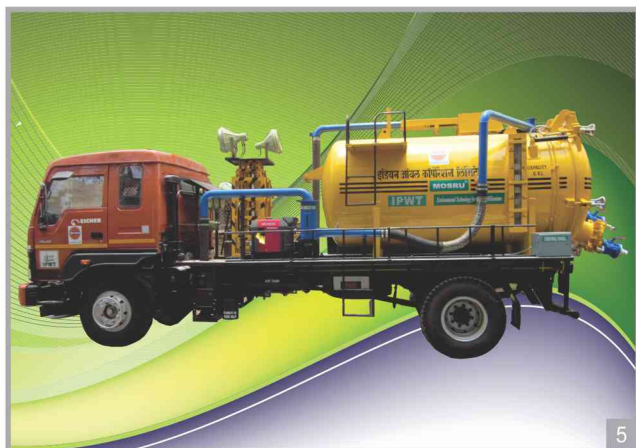
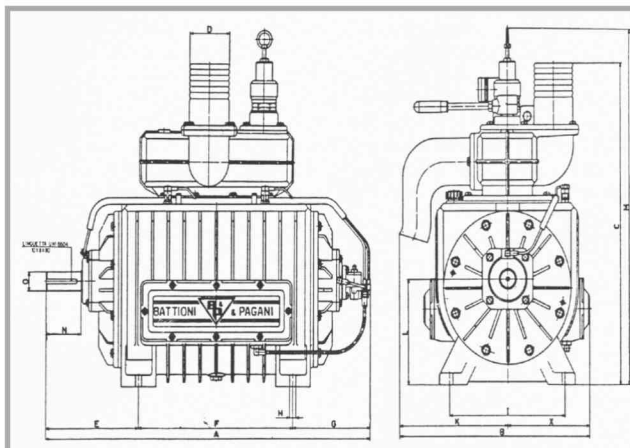
Once the leakage is detected, the **MOSRU**[®] unit is driven to the site of leakage. The suction boom (provided at the top of the tank for easy and precise positioning of the suction hose) is rotated and positioned in such a way that the suction hose accesses the leakage spot. The PTO is then engaged to create vacuum inside the tank. Once the vacuum is created, the boom valve is opened and the oil spill is directly sucked into the tank of the **MOSRU**[®].

MOSRU[®] is then driven to the nearest slop tank, where the contents in the tank are discharged either by switching the vacuum pump to pressure mode or by tipping the tank hydraulically.

MOSRU[®] is very simple to operate and requires only one operator for carrying out the complete operation and maintenance with ease.



4. Mid-size **MOSRU**[®] (6000 lbs.) ; on 16 ton GVW chassis ; supplied to Bharat Petroleum Corporation Limited, Mahul Refinery in 2014.



5. Mid-size **MOSRU**[®] (6000 lbs.) ; on 16 ton GVW chassis ; supplied to Indian Oil Corporation Ltd., Rajkot in 2014.

THE HEART OF EVERY **MOSRU**[®] OIL-SPILL RECOVERY MACHINE :

The heart of every **MOSRU**[®] is provided by quality **BATTIONI PAGANI S.P.A.** or equivalent imported Vacuum Pump. The vane blades of the vacuum pump are of heat-resistant material with dual cooling system (air + water-cooled) to avoid overheating in tropical conditions. Designed for utmost in capability and output, **BATTIONI** pumps create greater amount of vacuum (95%) for efficient suction and require negligible maintenance.

BATTIONI PAGANI S.P.A., Italy is an internationally renowned company and has been in this business for over 50 years. The imported vacuum pump provided by us is capable of producing over 90% vacuum and min. 1 bar discharge pressure which is impossible to achieve with locally manufactured pumps as these are not manufactured for specific purpose of sewage suction besides are of lower quality.

ADVANTAGES :

- Can clean oil spills and transfer oil from the slop tanks, where manual operation is virtually impossible
- Can pay for itself within one year of efficient use
- Maintenance is virtually nil for first few years
- Easy to operate as no special skill is required
- Very cost-effective
- Elimination of old method of cleaning oil spills, thus upgrading dignity of labour
- Can earn immense revenue from recovery, thereby offsetting the cost of the machine
- Equipped for night operation



Winner of the prestigious 'National Award for Import Substitution' in 1982 for Garbage Compactor



Dun & Bradstreet Rating : SE2A "High Performance Capability and High Financial Strength"



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