



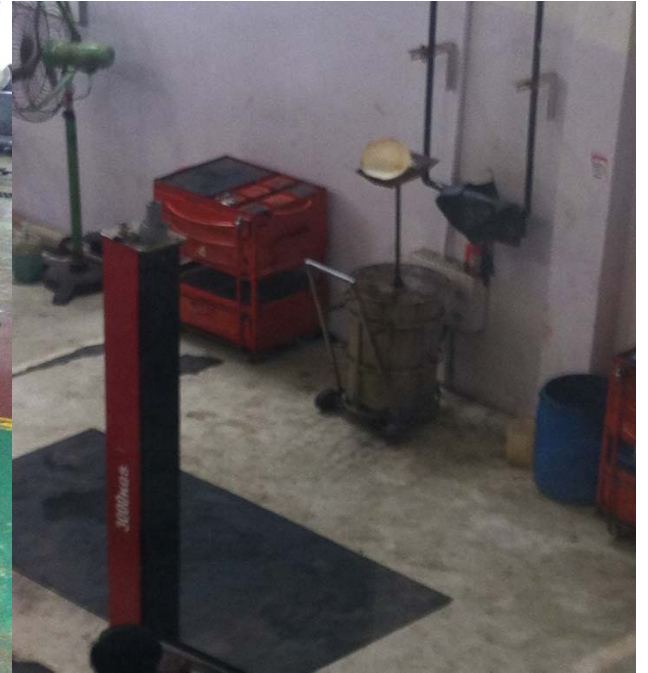
SATYAM

Centralized Waste Oil & Filter Collection System

Head Off: Plot No.29, Najafgarh Road, Moti Nagar, New Delhi- 15.
Phone: 9310047111. Email: info@satyamzone.com, satyam@satyamzone.com
Service: 93121-45109 service@satyamzone.com



CONVENTIONAL SYSTEMS OF WASTE OIL COLLECTION- INNOVATION BY VARIOUS DEALERS



How We Automated?



→ FRL filters & regulates the air and its pressure

→ Double diaphragm Pump provides suction pull to oil collected in tank

→ Coupling



Diaphragm Pump



Hydraulic
Coupler



Filter, Regulator,
Lubricator (FRL)



PU Coiled Hose

COMPONENTS



Ball Valve



Oil Collection Stationary
Tank



Hydraulic Pipe and
Drum Fitting



Trolley Wheel Mounted
with Mesh



TECHNICAL SPECIFICATIONS OF COMPONENTS

S.No.	Item Name	Qty	Technical Specifications	Usage/ Remarks
1	Diaphragm Pump ¾"	1	Brand "SATYAM" Graco make" Model No.SI-WOFC-30 ¾" Size, Max. GPM- 16-61 liter per min., Weight 5 kgs, Max Fluid & Air pressure- 180-7 PSI-bar.	¾" for efficient and fast sucking.
2	Filter, Regulator and Lubricator with Gauze	1	Legris ½"	To regulate pressure & Control Moisture
3	PU Coiled Hose- 5 mtr with PU Connectors	1	8mm x 12mm PU Hose 5 meters in length with ½" PU connector	For Air Supply
4	Heavy Duty Hydraulic Hose	1	High Pressure -160 KgF / Cm 2 10 mm B.P, Length 3 mts	For Connecting Pump to tank and filter tank
5	Hydraulic Coupler	1	½" Hy. Quick Release Coupler, Max pressure 210 Bar both Plug & Socket	To connect Trolley with Pump
6	Oil Collection Stationary Tank	1	Heavy Duty Sheet Metal Tank 16 Gauge Capacity Between 180 lts	For Waste Filter Oil collection and avoid dipping
7	Trolley wheel mounted with Level Indicator, Steel Mesh Tray to support 15 waste filters.	1	Teflon wheel 4 nos, Sheet Metal candy 18 gauge with 50 lts capacity.	Wheel Mounted capacity 50 Liters
8	Ball Valve	1	½" Gun Metal Heavy Duty Ball Valve	For regulation
9	Hydraulic PU Pipe and Drum Adaptor with Collar and O- Ring, Hy. QRC and Air Vent Breather with Transparent Hose	1	Hy. PU Pipe Pressure -160 KgF / Cm 2, 10 mm B.P, Length 1 mt. Qty-1 ½" Hy. Quick Release Coupler, Max pressure 210 Bar both Plug & Socket Qty-1 ¼" Hy. Quick Release Coupler, Max pressure 210 Bar both Plug & Socket Qty-1 Brass Breather ¼" in size	For Connecting G.I Pipe and Empty Drums

Stage- I



Waste Oil Collection due to action of Gravity

Specialized Wire Mesh to avoid entry of extraneous material into tank

Tank Level Indicator

Trolley Wheel Mounted

Stage- II



Waste Filter Collection Tank to collect Waste Oil from used filters thru action of gravity

Stage- III



→ Double diaphragm Pump provides suction pull to oil collected in tank

→ FRL filters & regulates the air and its pressure

→ Oil Lines for transporting Waste Oil to Collection Barrels directly



→ Ball Valve control inlet of Waste Oil into Barrels

→ Waste Oil Collection Barrels

Environment

- Control movement of oil till handover to Registered used oil vendor
- Keeps environment clean and healthy.

Employees

- Saving from cleaning process
- Saving time from manual extraction work

Waste Oil Benefits

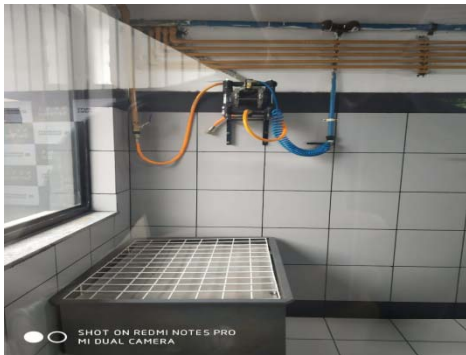
Owner

- Good aesthetics
- Oil saving due to spillage of waste oil and Filters which is around 30 - 40 ml per car
- Saving in Housekeeping Material.
- Saving in Housekeeping man-hour involved in transferring waste oil and floor cleaning
- Saving on 20-25% on waste oil
- Promotion of healthy Work environment

Management

- Promotion of GO Green environment
- Proper process of used oil extraction and delivery system across dealership

SATYAM Centralized Waste Oil & Filter Collection System Clients



Platinum NEXA, Delhi



Aarav Chevrolet, Delhi



Pasco Motors, Fbd



Saya Auto, Delhi



Sparsh Chevrolet, Delhi



DTC Depot, Delhi



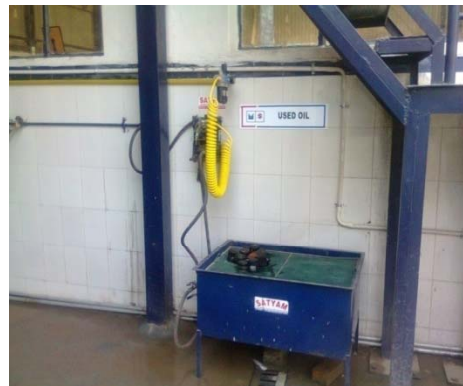
DTC Depot, Delhi



DTC Depot, N. Delhi



Deep Hyundai, Delhi



Apra Auto, Haryana



Renault West, Delhi



Pascos, Delhi

SATYAM- WASTE OIL/ COOLANT AND FILTER COLLECTION SYSTEM
CLIENTS - HCV SEGMENT – GT KARNAL ROAD (TATA) DTC (DELHI
TRANSPORT CORPORATION) DEPOT



THANK YOU

For more information, contact:

SATYAM INTERNATIONAL

Ms. Monika
(Manager -Backend)
Phone: 93100-47111
E-mail: satyam@satyamzone.com
info@satyamzone.com

Head Off: Plot No.29, Najafgarh Road, Moti Nagar, New Delhi- 15.
Phone: 9310447111
Service Helpline: 9312145109, service@satyamzone.com
Visit Us: **www.satyamzone.com**

