

SHREEVIBA Presentation to FORMULATED POLYMERS



FORMULATED POLYMERS LIMITED
Manufacturers of Engineering Plastic Compounds



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SHREEVIBA 
EQUIPMENTS & SERVICES

FPL Use-Cases and SHREEVIBA Approach & Solution



FPL Company Overview

FORMULATED POLYMERS LIMITED, the professionally managed company established in 1993 with an objective to design and manufacture a comprehensive range of Thermoplastic Compounds, specializes in Engineering Plastics under the brand name FORMPOLY®.

Over the years, FPL has established over 400 grades in 10 engineering polymers, mostly focusing on niche compounds. FPL has approvals from various OEMs serving large sectors of industries with an international product reach.

FPL through technical collaboration with Eurostar Engineering Plastics, France Offers a range of Flame Retardant Compounds with UL Certification(More than 120 grades)

FPL is powered by cutting-edge expertise paving its way to cost-effective manufacturing and has grown into a mammoth figure in the industry with a wide-spread reach.

FPL has been awarded with prestigious Rajiv Gandhi National Award for Excellence in Quality products by the Government of India .

FPL – Forklift Issue / Problem

The main problem at FPL is that the forklift used in the premises was submerged in water during the recent flooding in Chennai and has stopped working from then on.

Forklift Details:

- Brand - Hyster
- Fuel Type – Battery Operated / Electrical
- Tonnage – 3 ton

Problem with the Forklift:

Generally in an electric / battery operated forklift, when we try to start the vehicle, the power from the battery goes to the controller (main and hydraulic). The controller plays a vital role in transferring power to the motor and the electronic circuit boards that drives the machine.

Since the machine has been submerged in water for long, the water has caused a permanent short to the motor and electronic board because of this it is completely corrupt and has to be replaced.

Our Solution / Suggestion

- The battery connectors connecting the battery cells have got corrupted due to water and has to be replaced to make the contacts work properly.
- Also, the fuse in the machine has to be checked and replaced accordingly.
- Changing the battery, controller, motor and electronic circuit means a complete reconditioning of the vehicle which is more expensive.
- In this situation, we would recommend buying a new forklift rather than getting this machine completely reconditioned as it will take longer time to get this repaired and also get the required spare parts that are worn out completely.