



EXPLICIT DYNAMICS ANALYSIS

20% QUICKER DELIVERY TIME



SCOPE

- // To develop a methodology to simulate the physical log-strike test in FEA and the validate the results. To develop a methodology to simulate log-strike of boat outboard engine for the crashworthiness of the models.

HIGHLIGHTS

- // Used the methodology to simulate log-strike for the crashworthiness of the models in design stage.
- // Inputs: 3-D Solid Models, Material properties, Test Standards.
- // Deliverables: Stress and strain contours, test correlations and design recommendations.
- // Software: HYPERMESH, ABAQUS Explicit, MATLAB

DELIVERABLES

- // Stress and strain contours, test correlations and design recommendations

BUSINESS IMPACT

- // Product Testing time reduced by 30%
- // 20% Faster delivery time