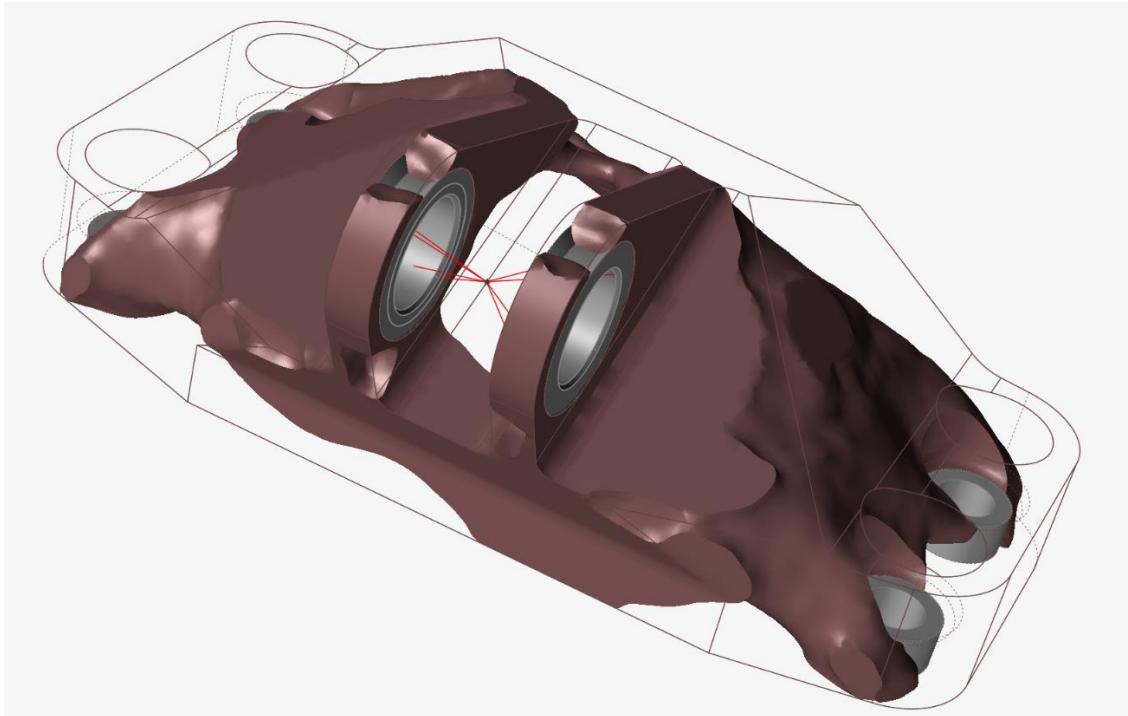
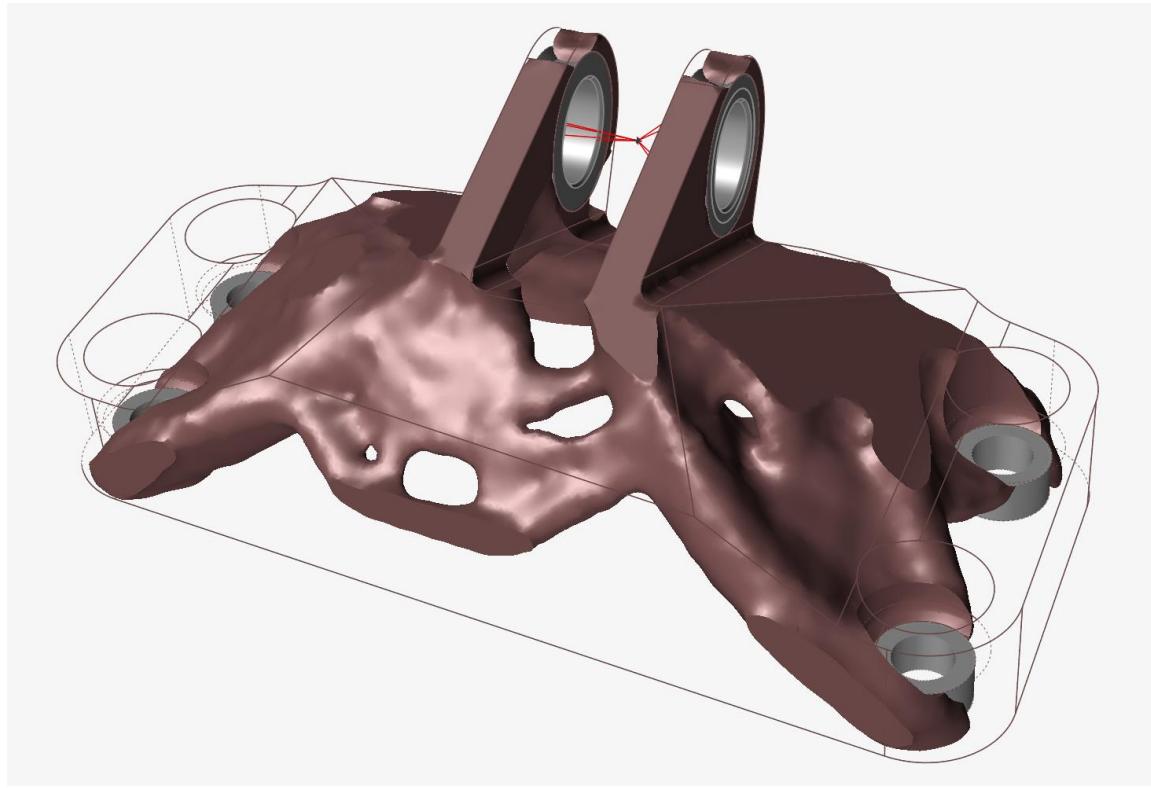


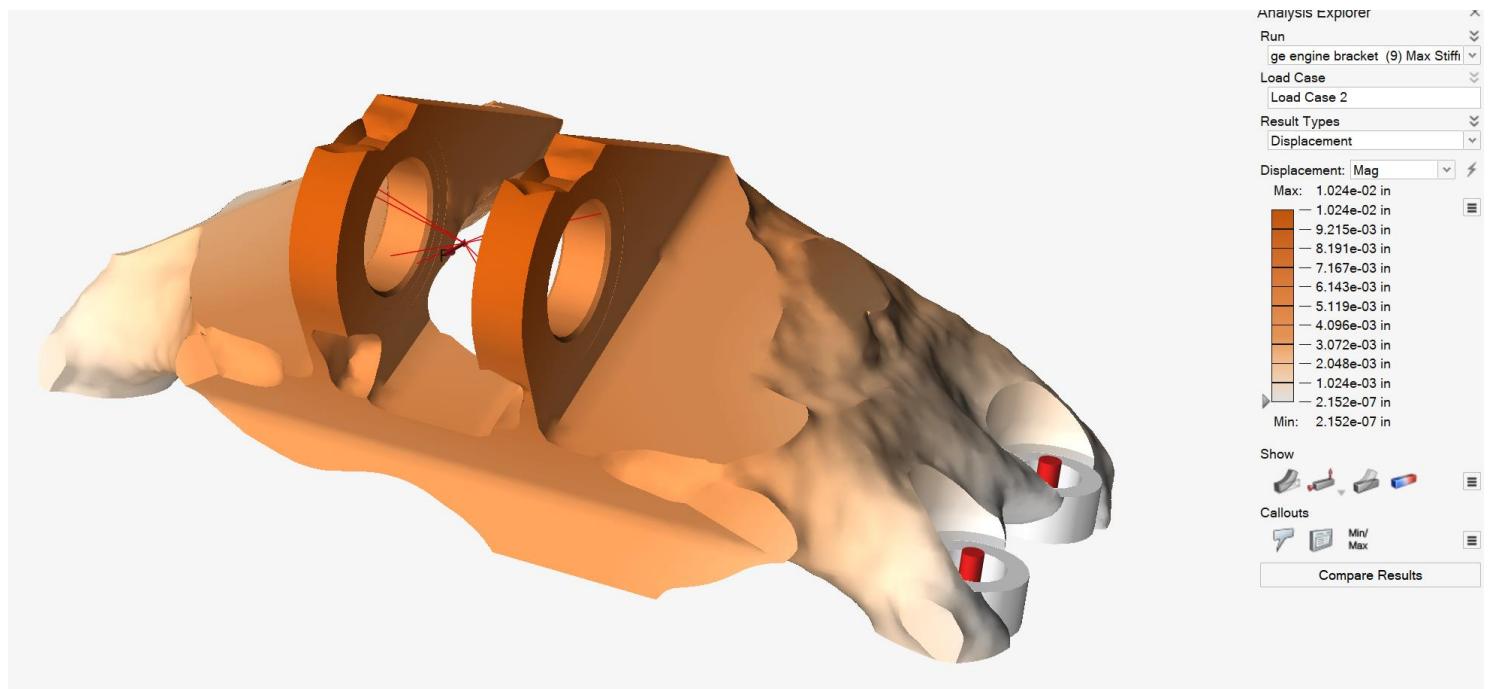
ME-653-A
DESIGN FOR ADDITIVE MANUFACTURING
DESIGN ASSIGNMENT-1
KALPAK HEDAWOO
30 % TOPOLOGY OPTIMIZED BRACKET

Horizontal

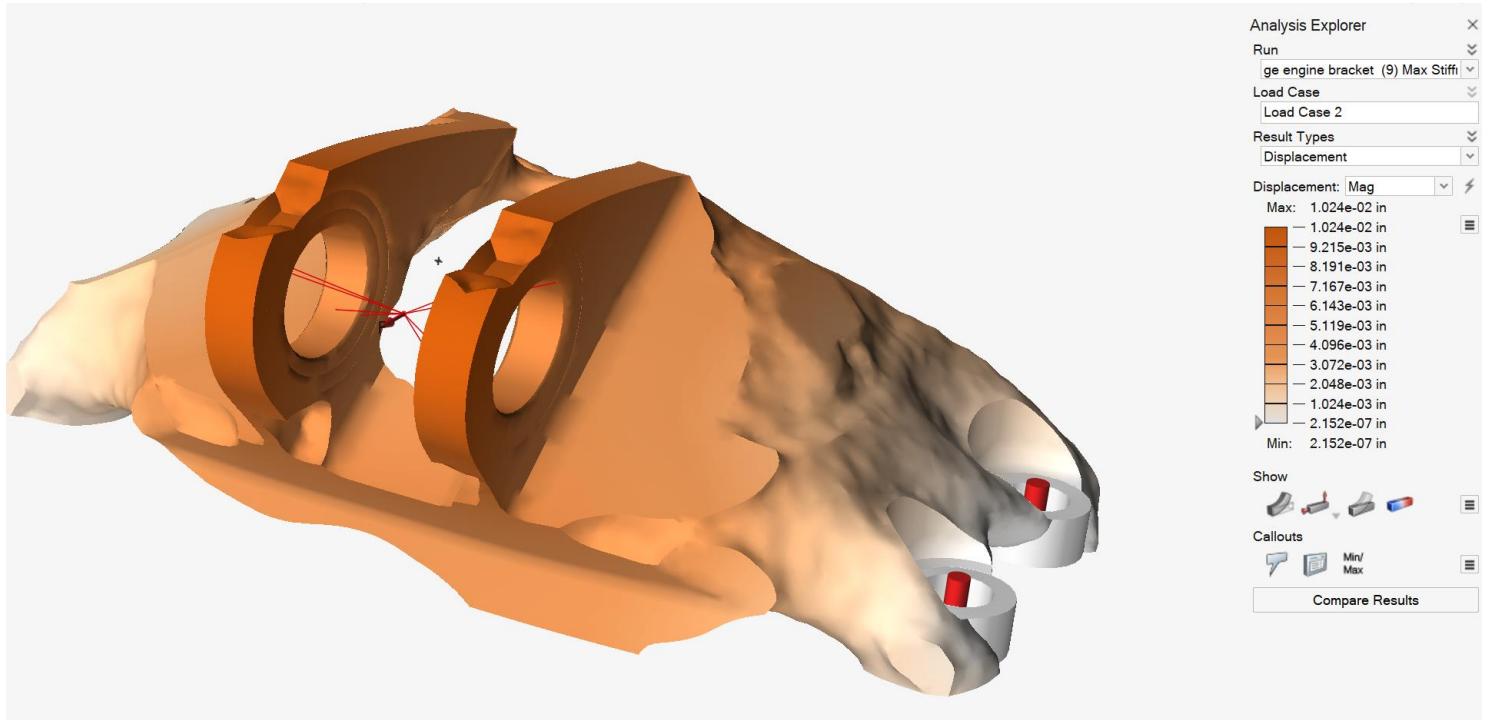




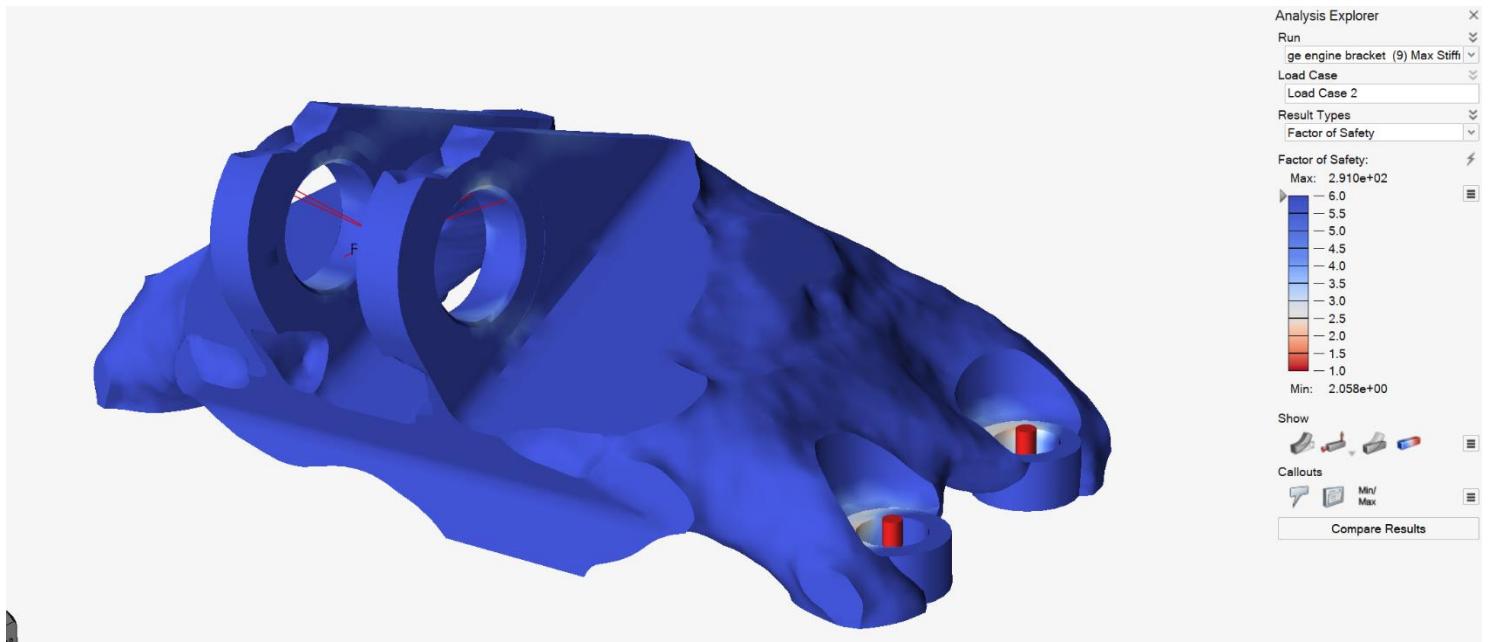
INTIAL DISPLACEMENT / STILL POSTION



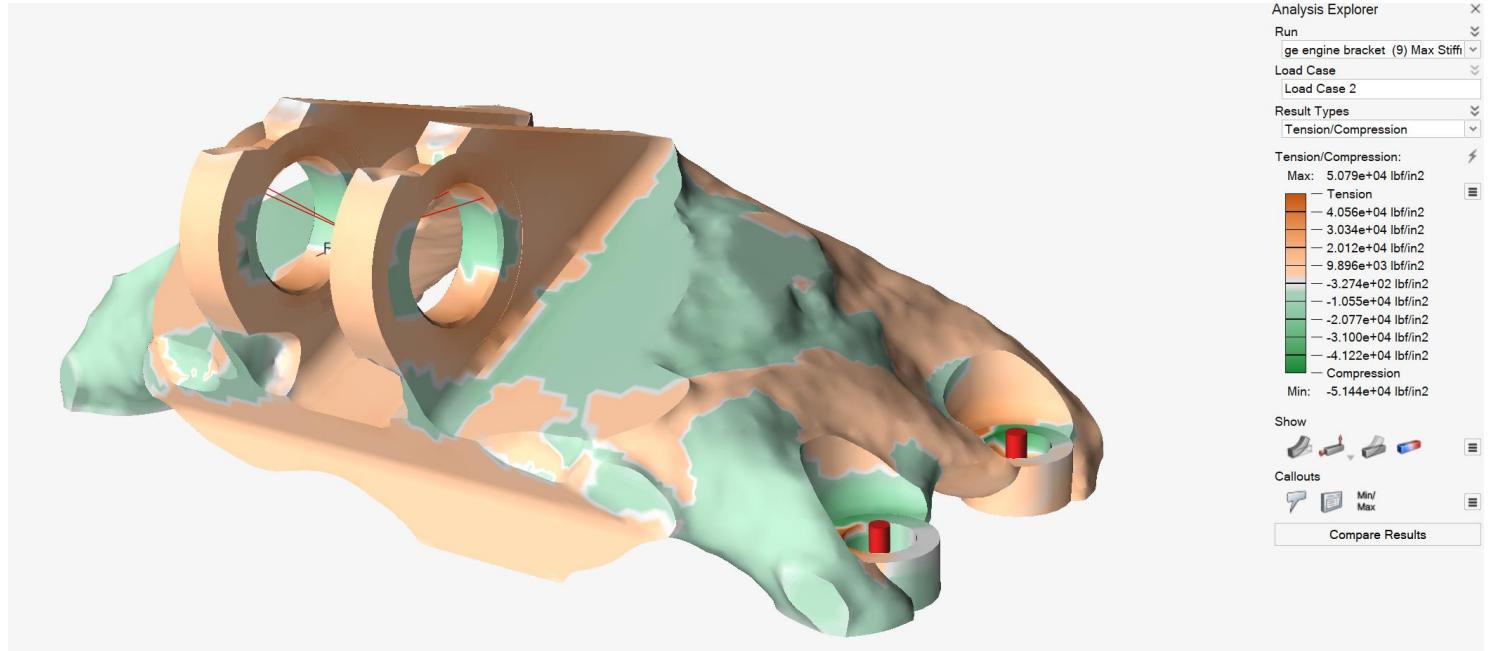
MAXIMUM DISPLACEMENT



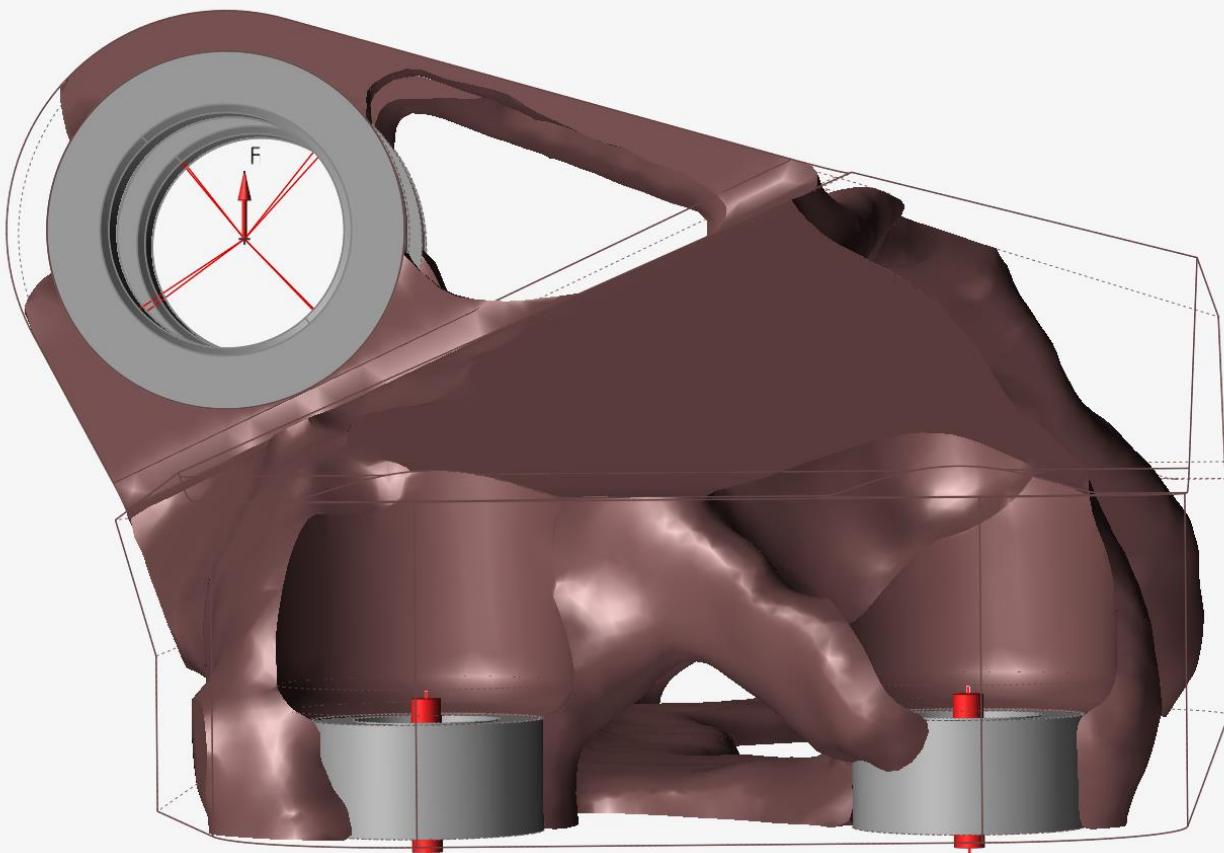
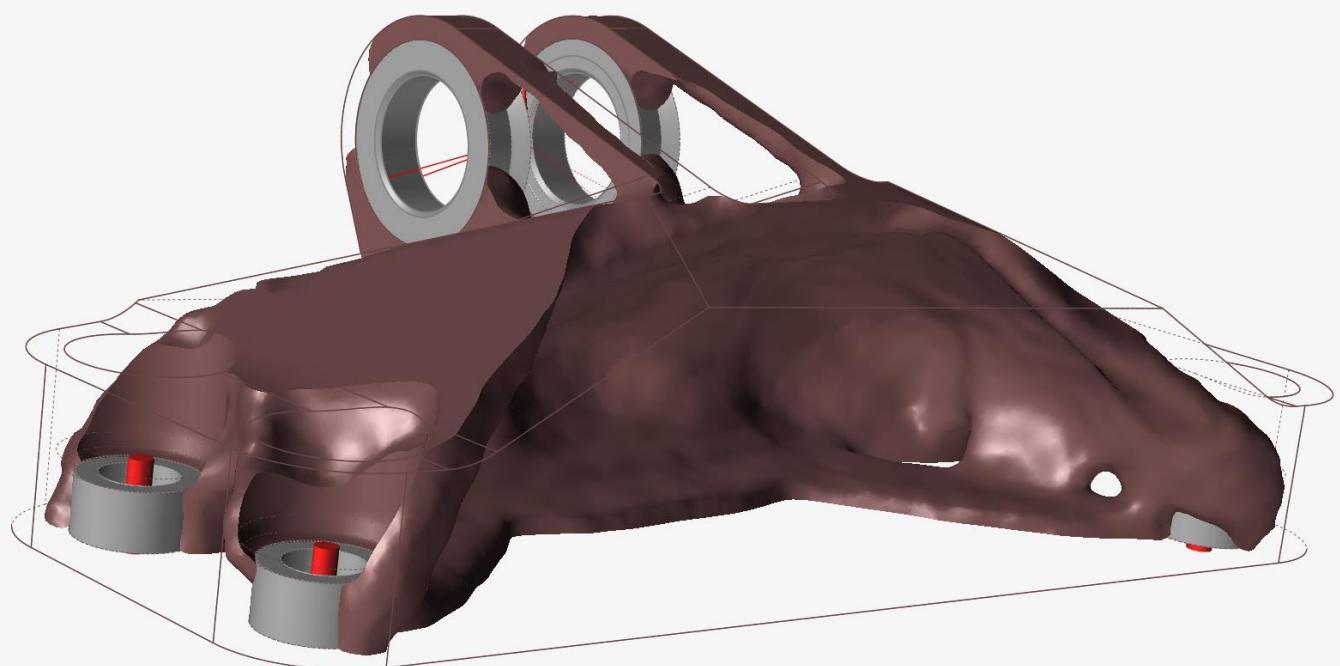
FACTOR OF SAFETY

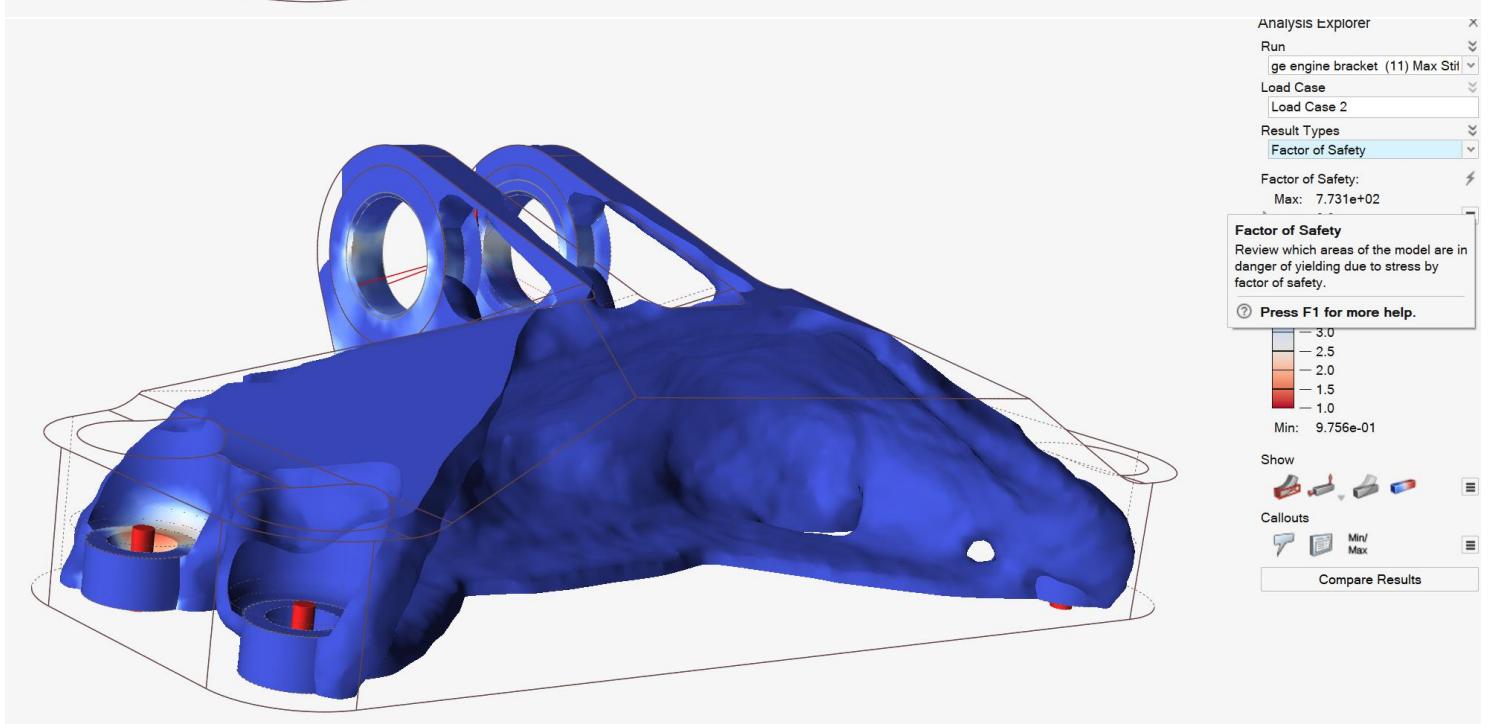
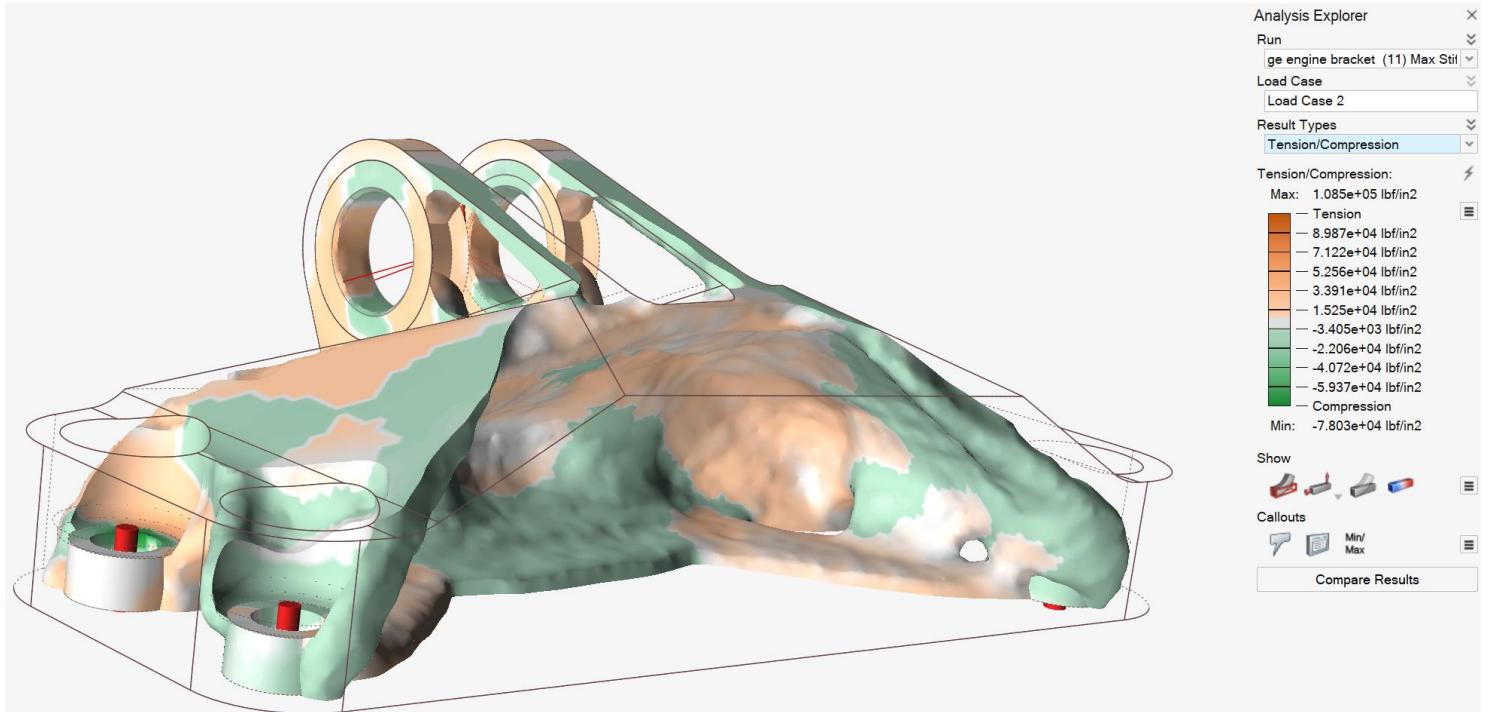


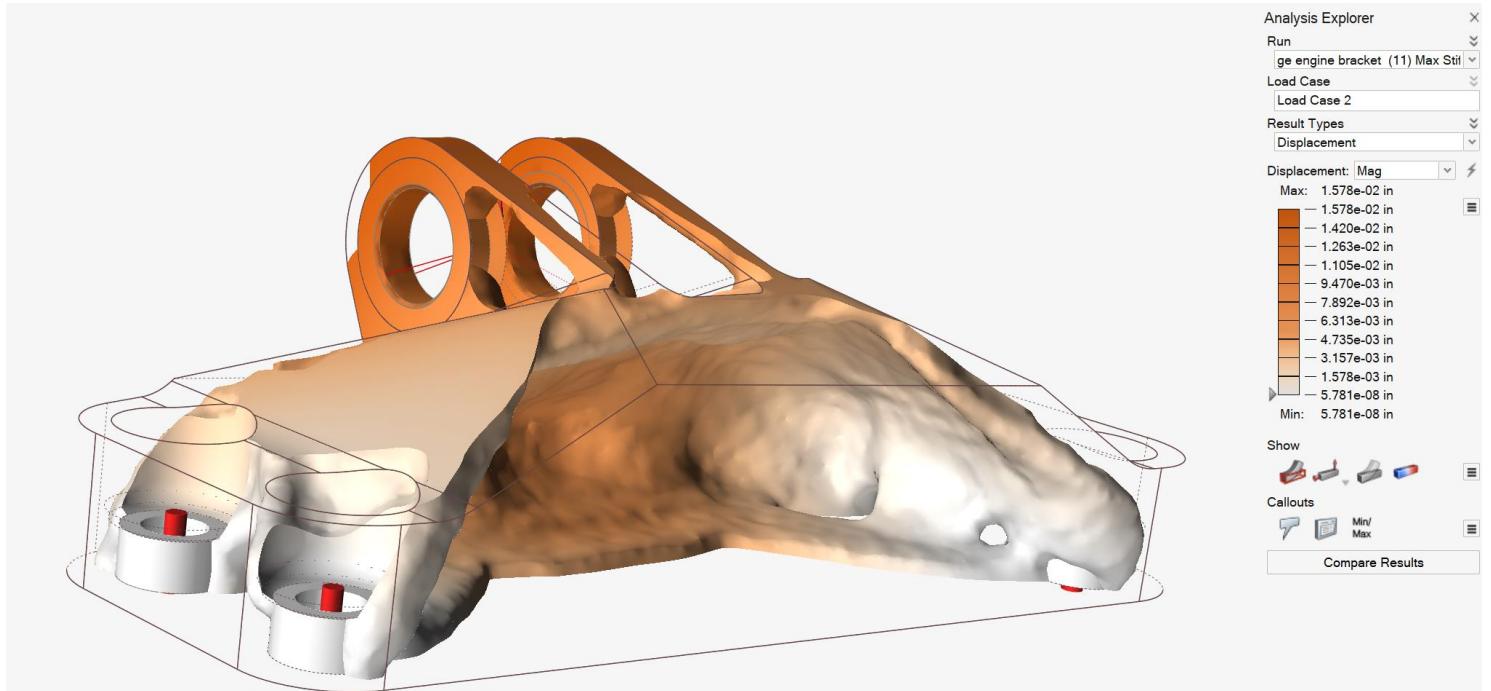
TENSION AND COMPRESSION ANALYSIS



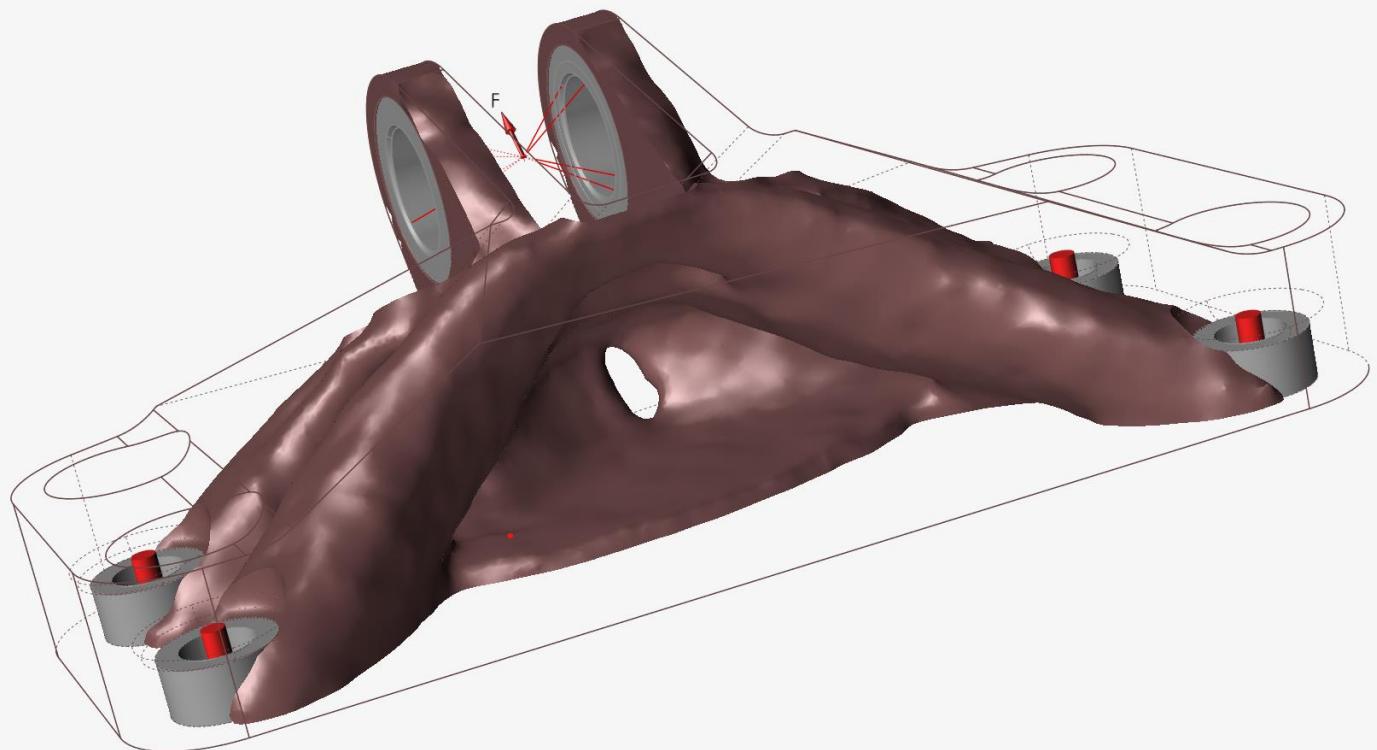
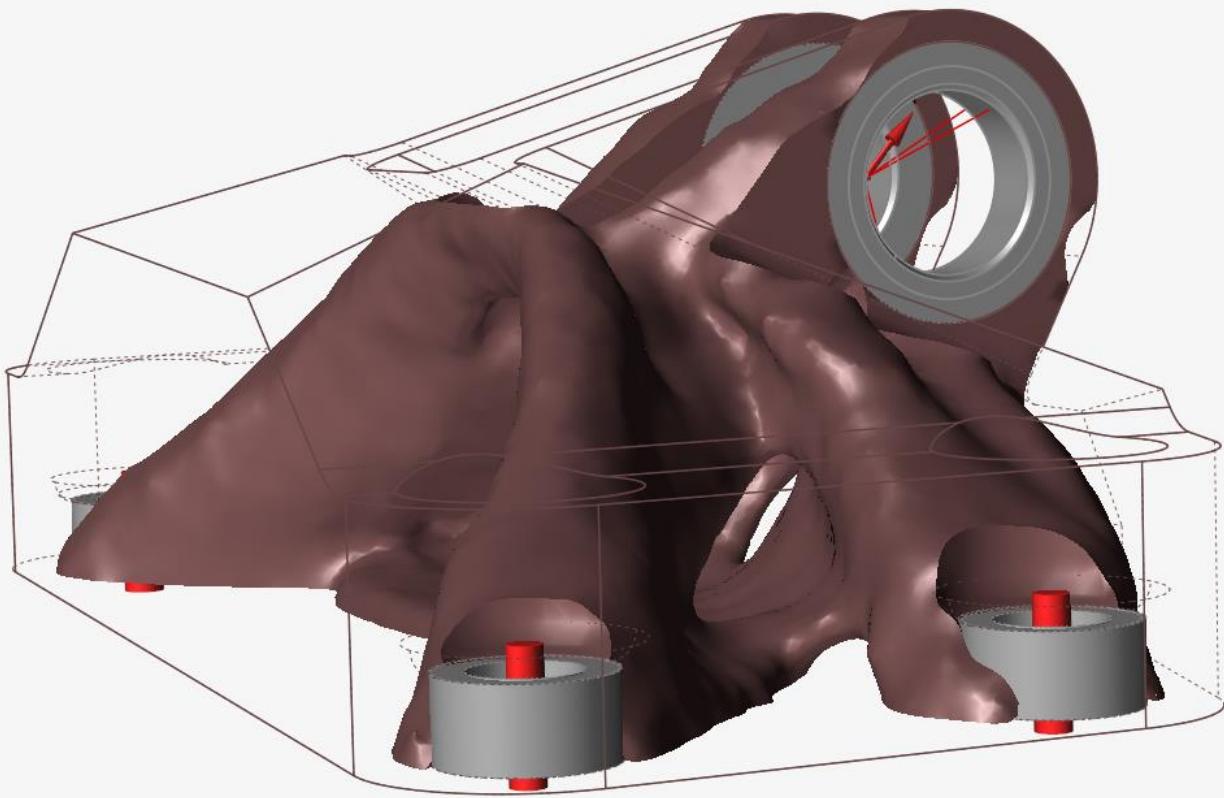
VERTICAL

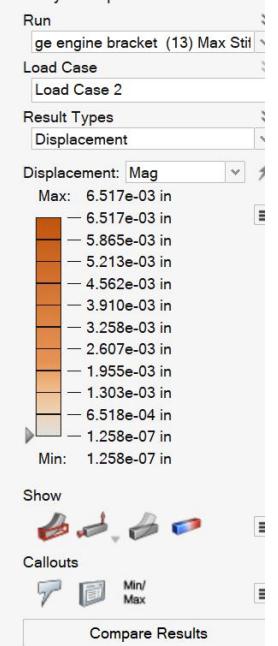
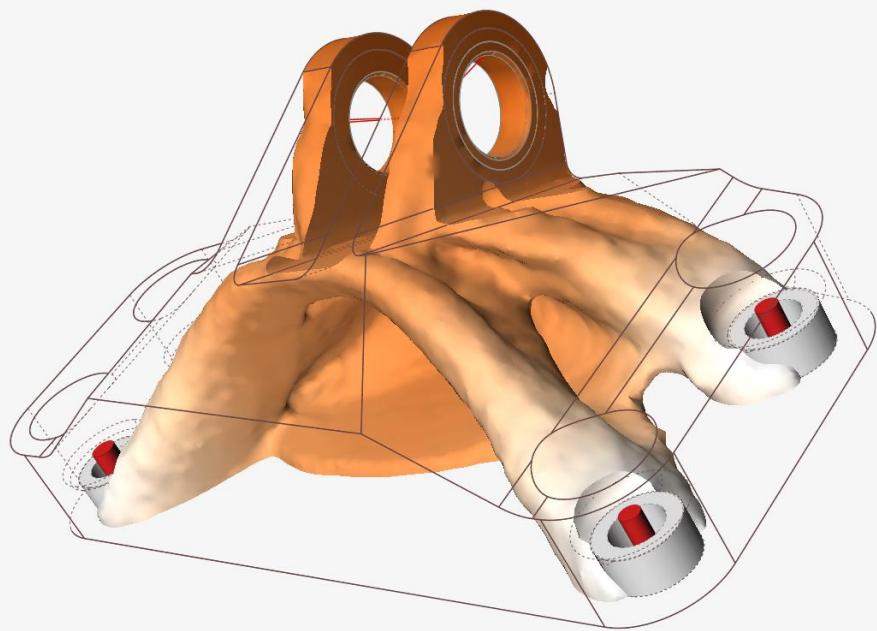
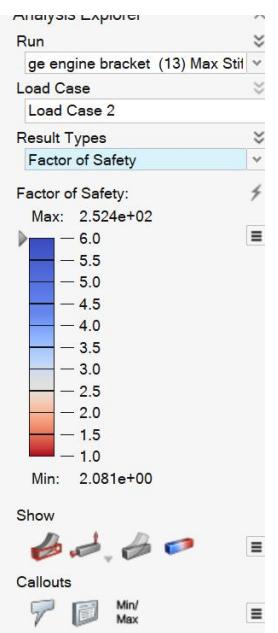
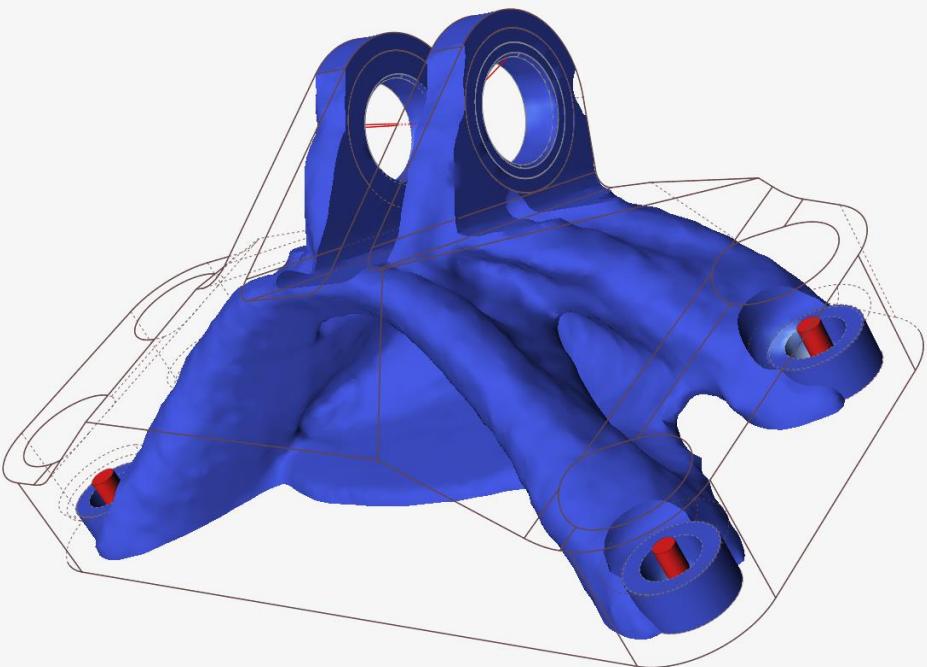


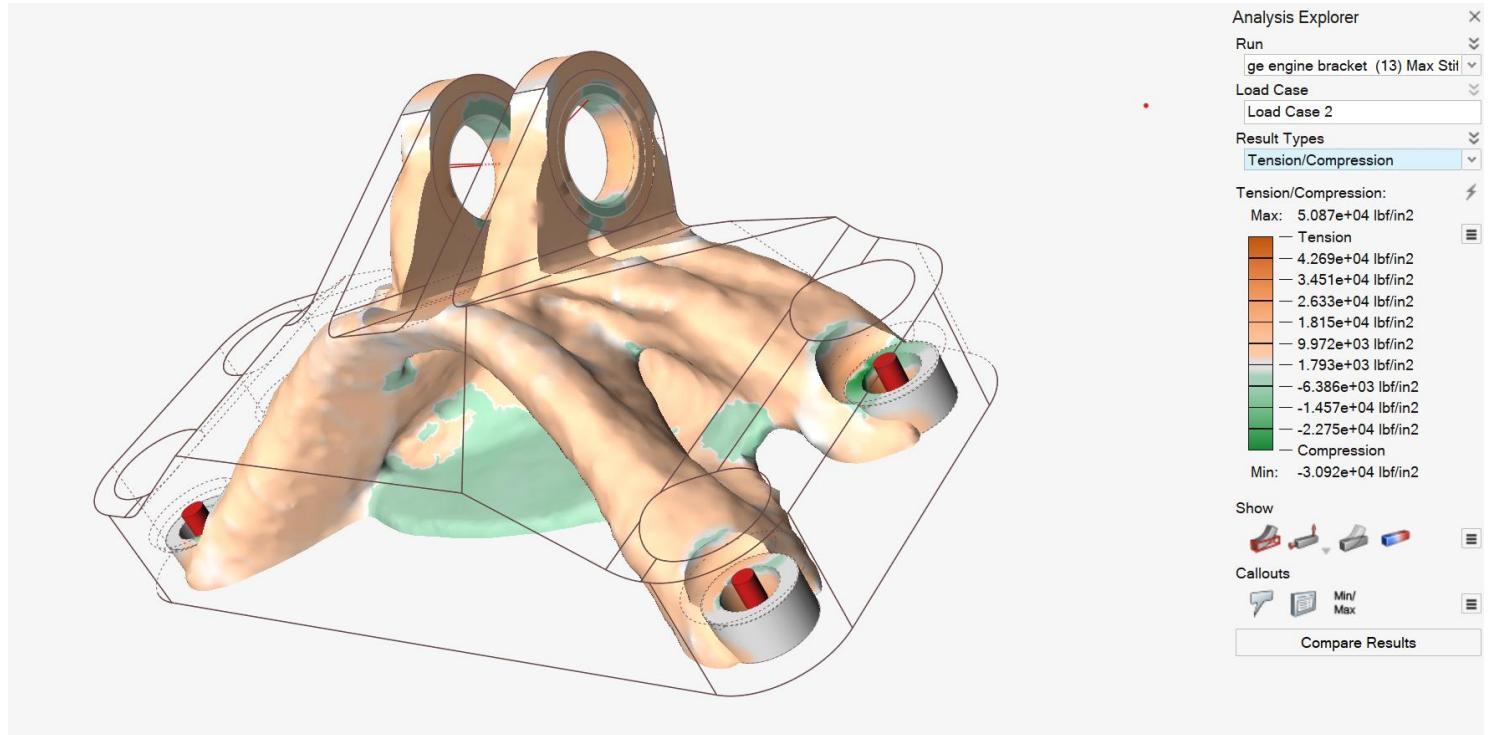




AT 42 DEGREE TO VERTICAL







MASS REDUCTION BY 50 %

