SimOps Structural Report

Component: Cylinder
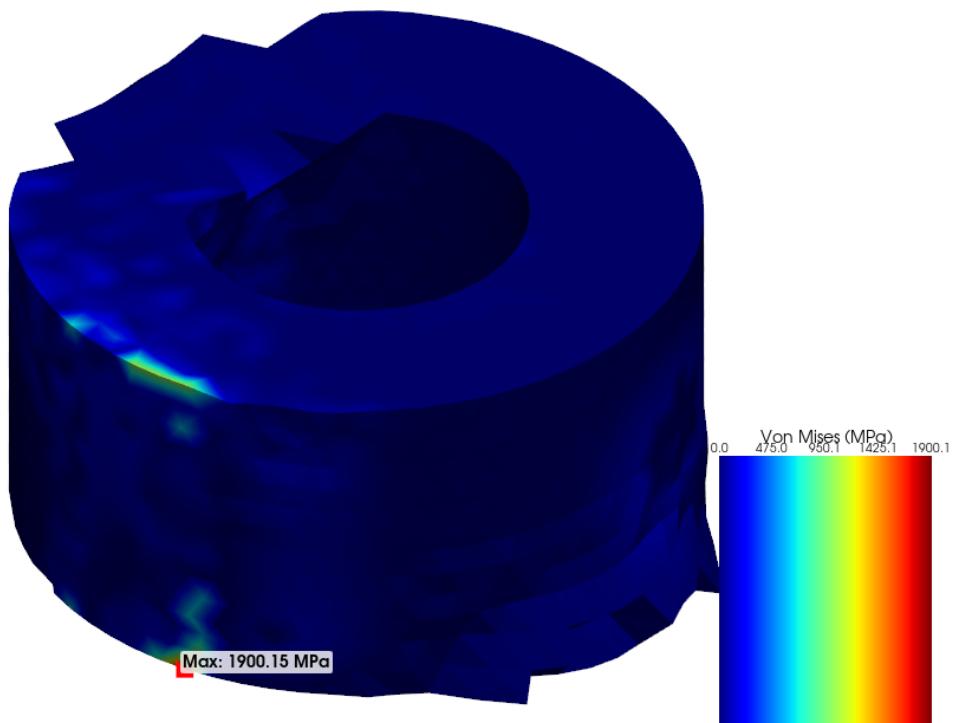
Date: 2025-12-27 18:27

Analysis Metrics

Strategy:	Default
Load Case:	1.0G Z-Load
Max Von Mises Stress:	1900.15 MPa
Max Displacement:	99.96 um
Safety Factor:	0.15
Elements:	14,930
Nodes:	24,102

Stress Distribution
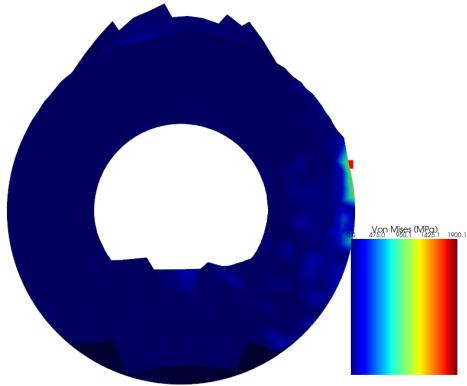
Static Structural: 1G Z-Load (Iso View)

Max: 1900.15 MPa

Von Mises (MPa)

0.0   475.0   950.1   1425.1   1900.1

Additional Views
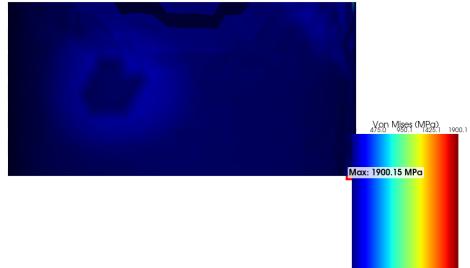
Top
Static Structural: 1G Z-Load (Top View)

Front
Static Structural: 1G Z-Load (Front View)

Von Mises (MPa)

Max: 1900.15 MPa

Side
Static Structural: 1G Z-Load (Side View)

Von Mises (MPa)

Max: 1900.15 MPa