Lessons Learned: Ten Years of Applying CAD Model Comparison

Andy Beaupre
Kubotek3D

GLOBAL PRODUCT DATA INTEROPERABILITY
SUMMIT
2019

Bio

Andy Beaupre

- **General Manager – Sales and Support – Kubotek3D**
- Andy has more than two decades of experience working with manufacturers and helping them with engineering software solutions. He was a member of the team that developed and brought the Kubotek Validation Tool to market and has worked with countless aerospace suppliers.

Presentation Roadmap

- Introduction
- Comparison Technology
- Application of Comparison
- On the Horizon
- Questions

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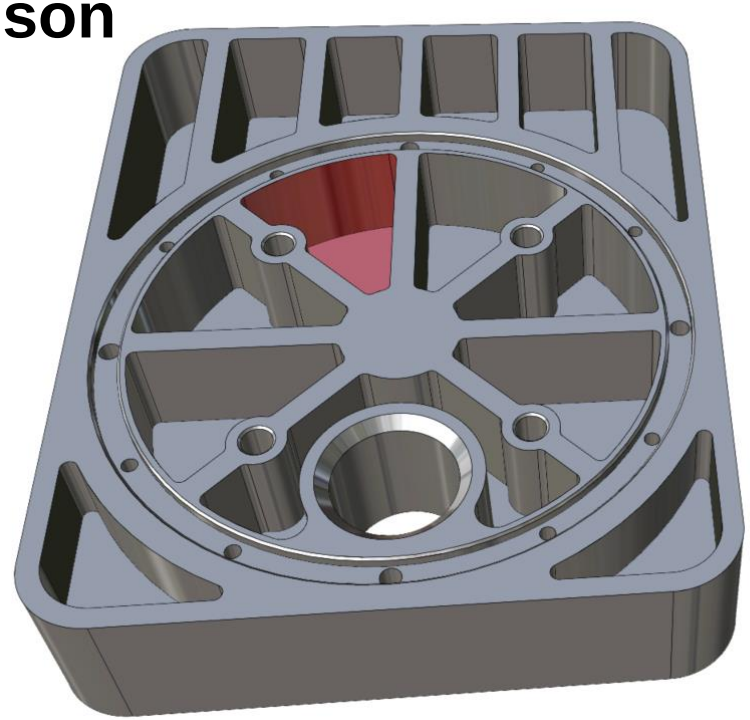

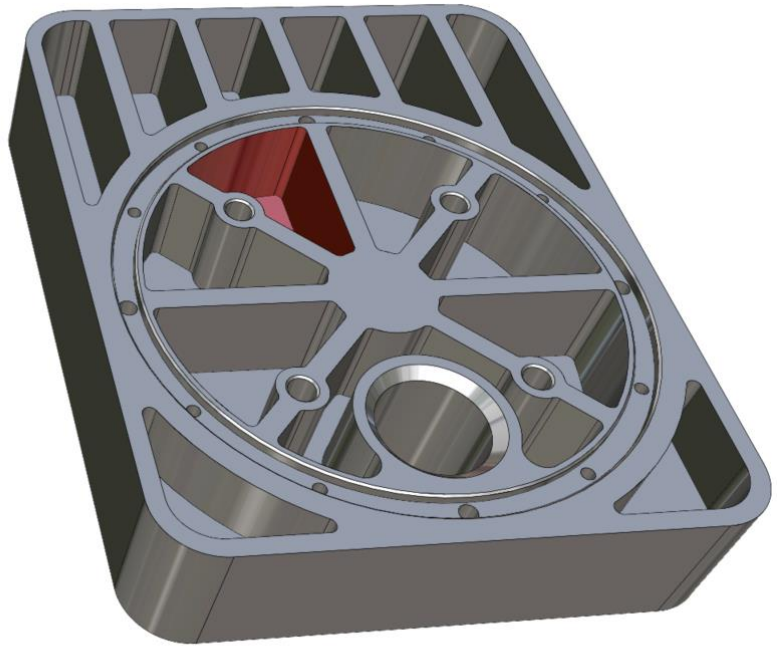

- **Introduction**
- Comparison Technology
- Application of Comparison
- Stories From the Road
- On the Horizon
- Questions

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Comparison Evolution

- **Introduction**
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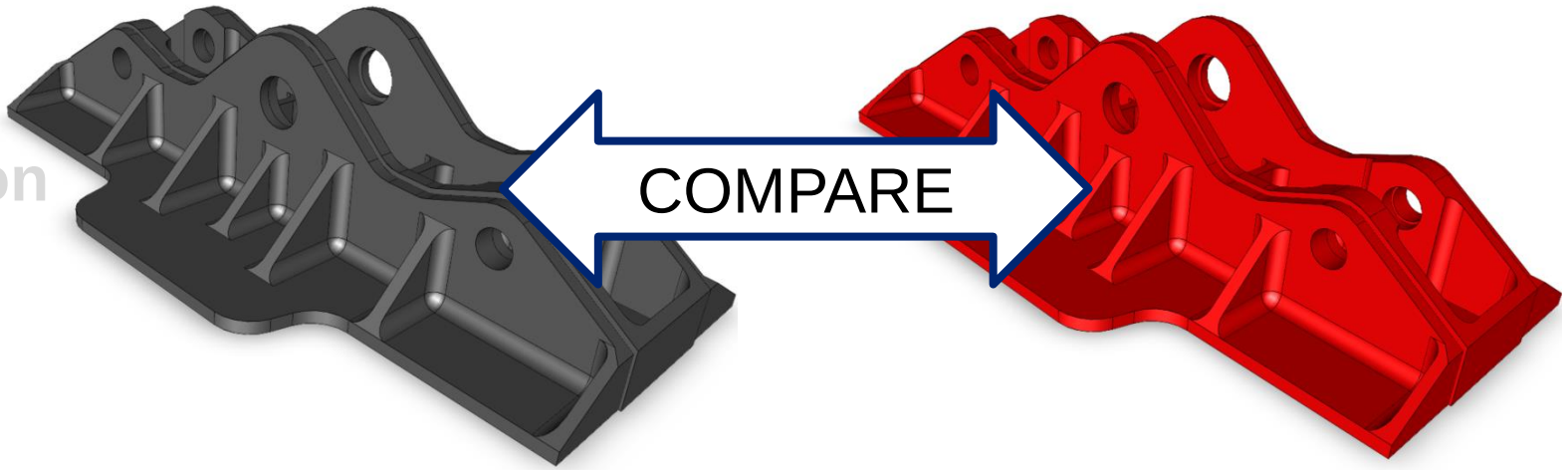

Translation Validation

Certified Quality Document

✓**Validated**

Comparison Technology

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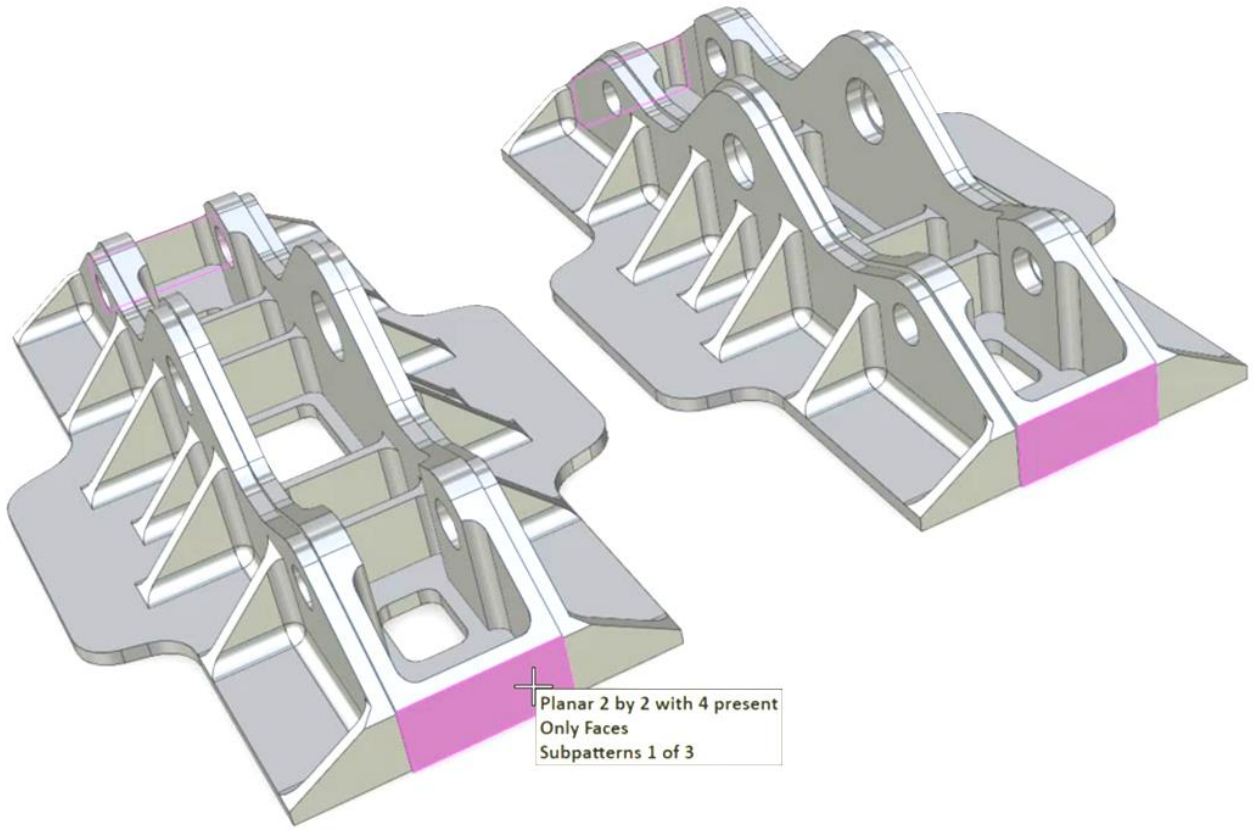

Application of Comparison

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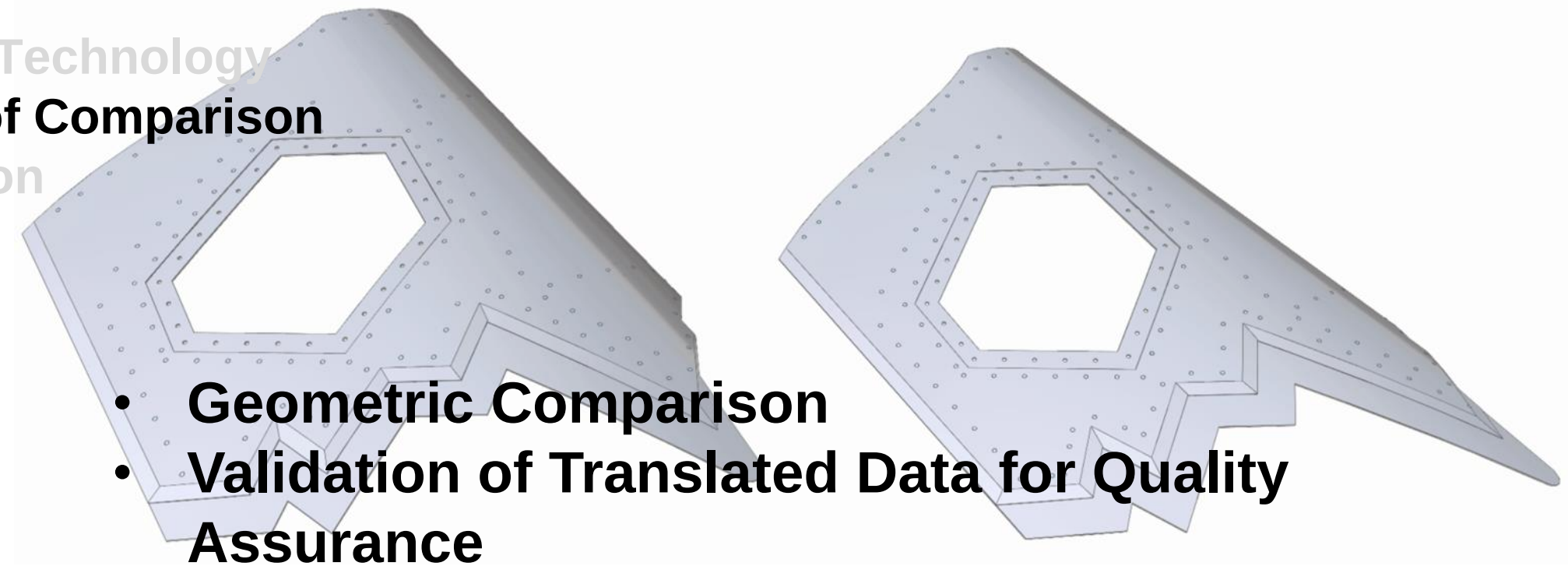

- **Geometric Comparison**
- **Validation of Translated Data for Quality Assurance**
- **Aerospace Supplier Survey (April 2018)**

Application of Comparison

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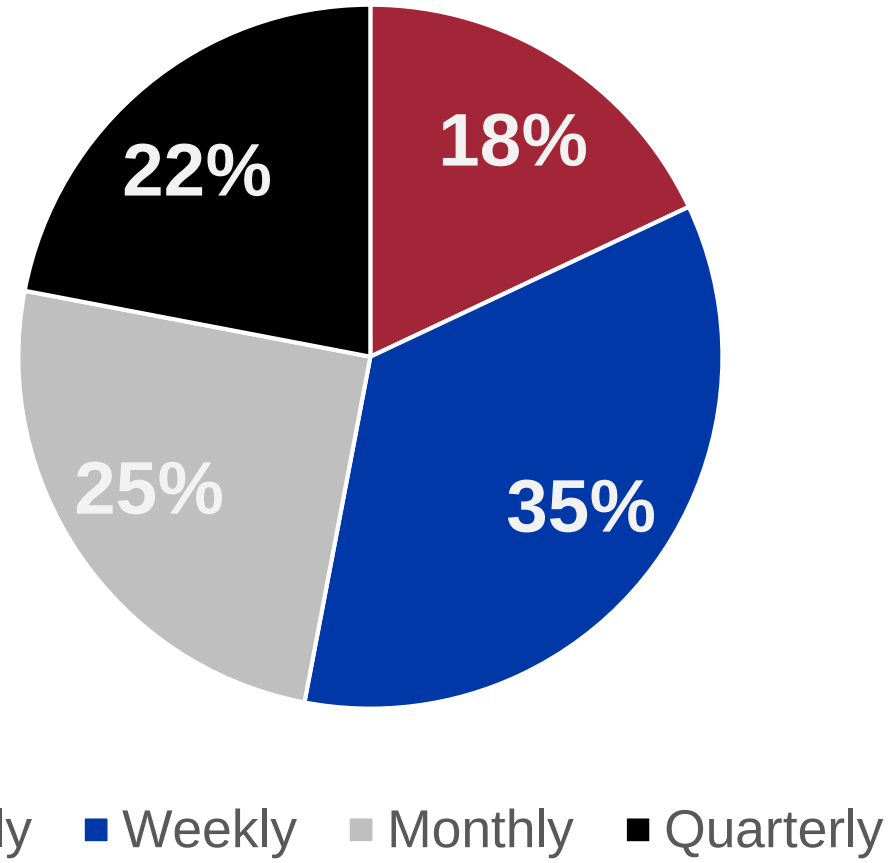
Translation Validation

How often do you validate translations?



Application of Comparison

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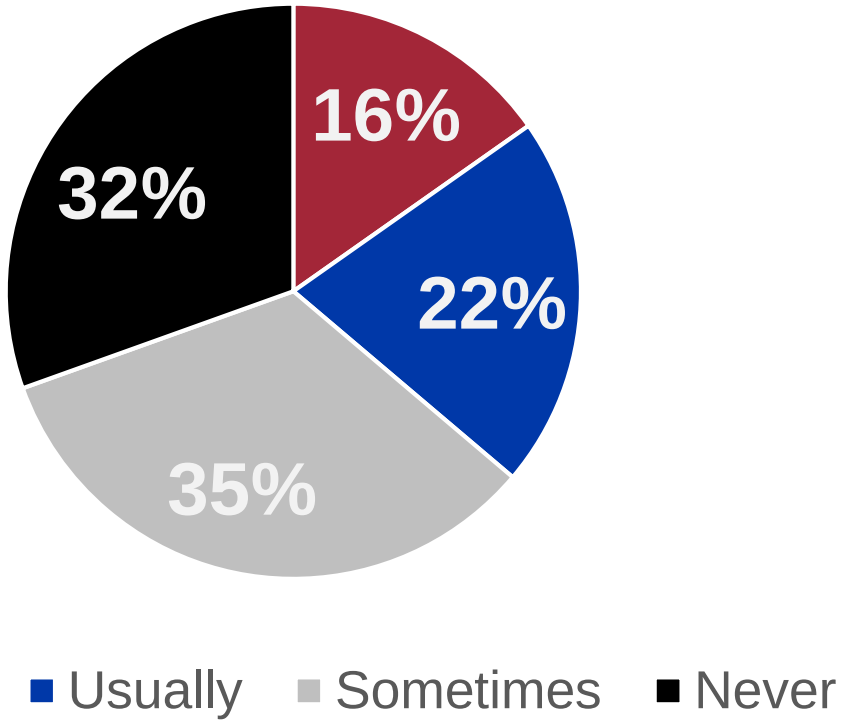
Translation Validation

How often do you need to compare a point cloud derivative to the authority data set?



Application of Comparison

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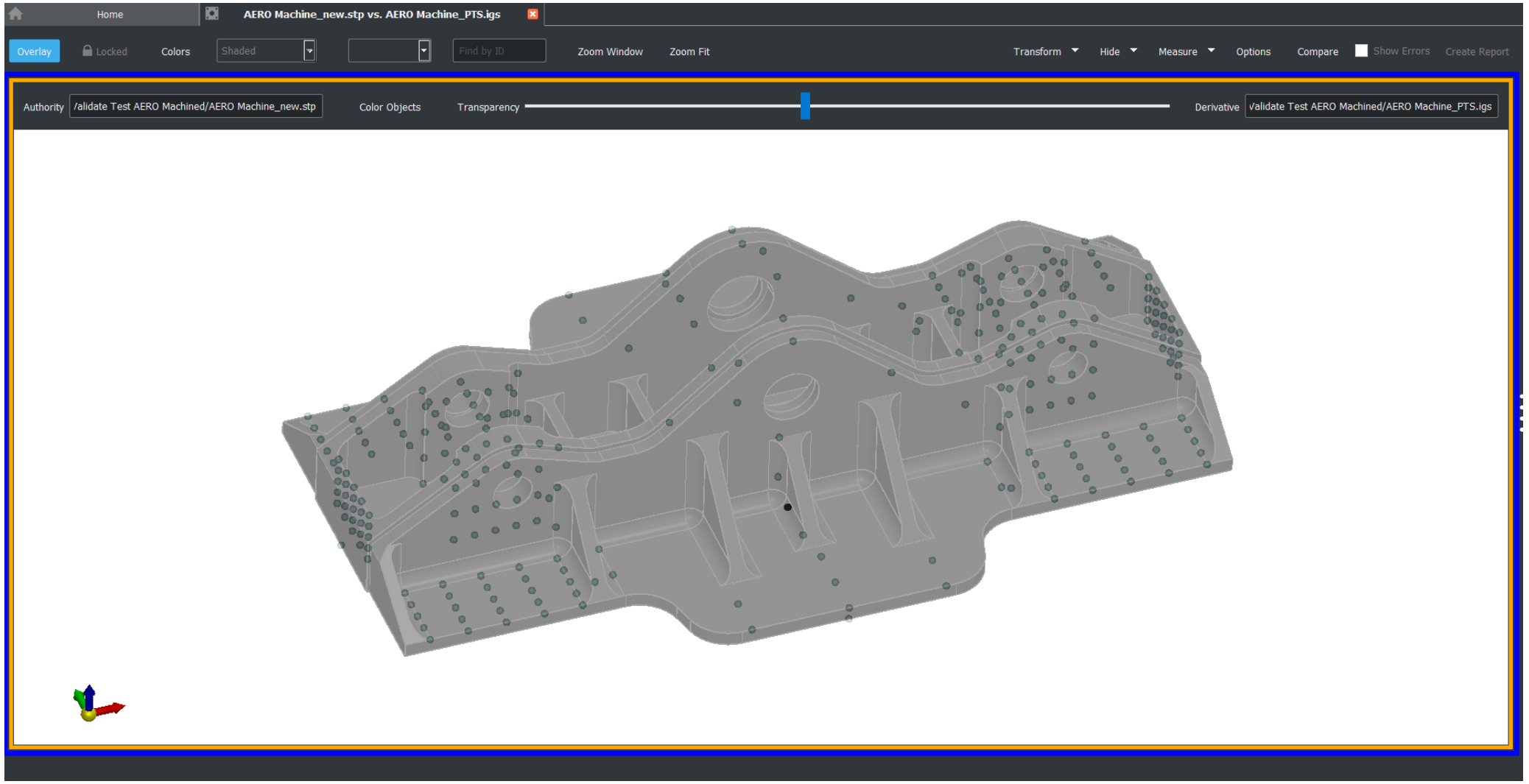

Application of Comparison

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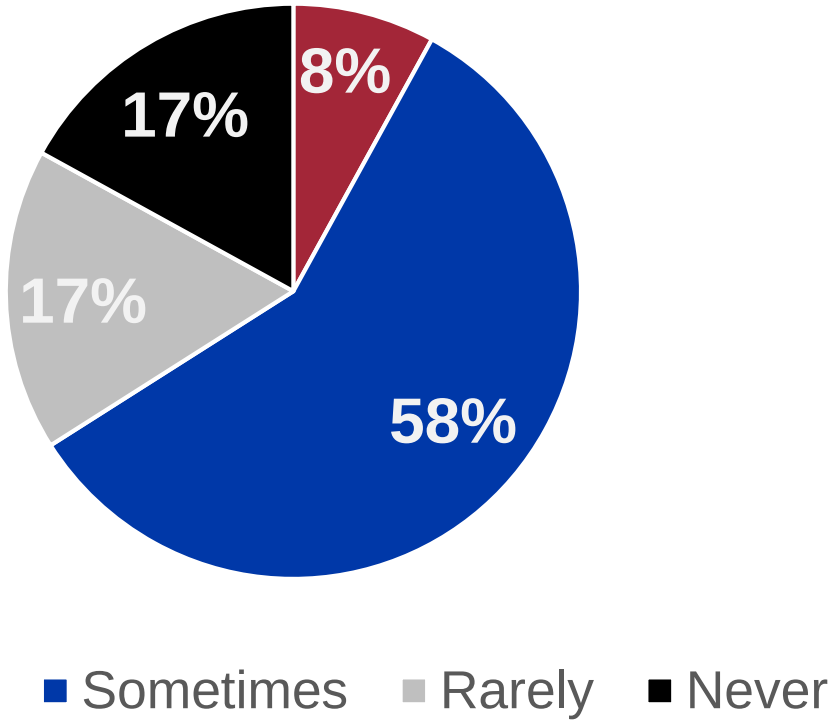
Translation Validation

How often do you need to compare a derivative that is in a different orientation than the authority data set?



Application of Comparison

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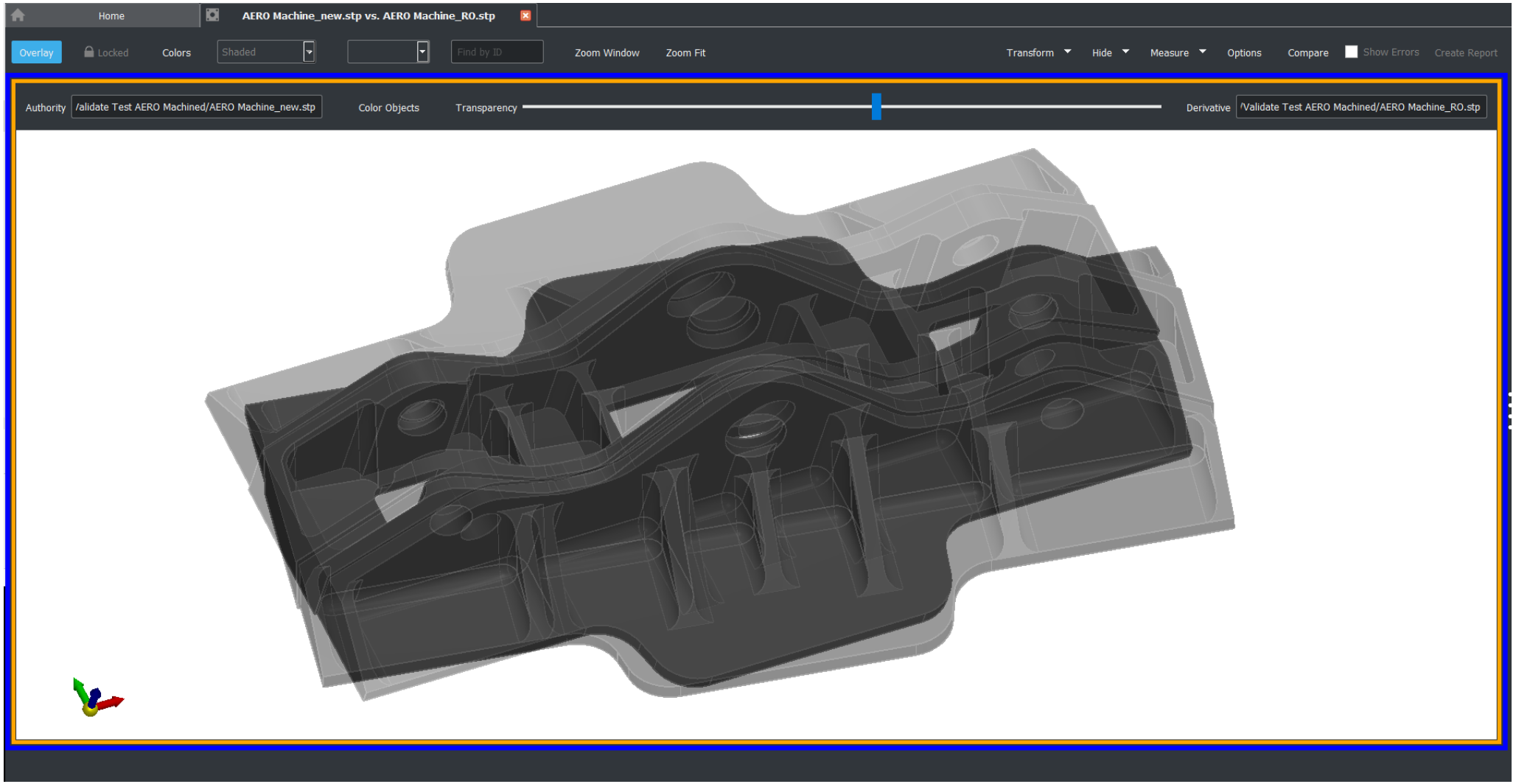

Application of Comparison

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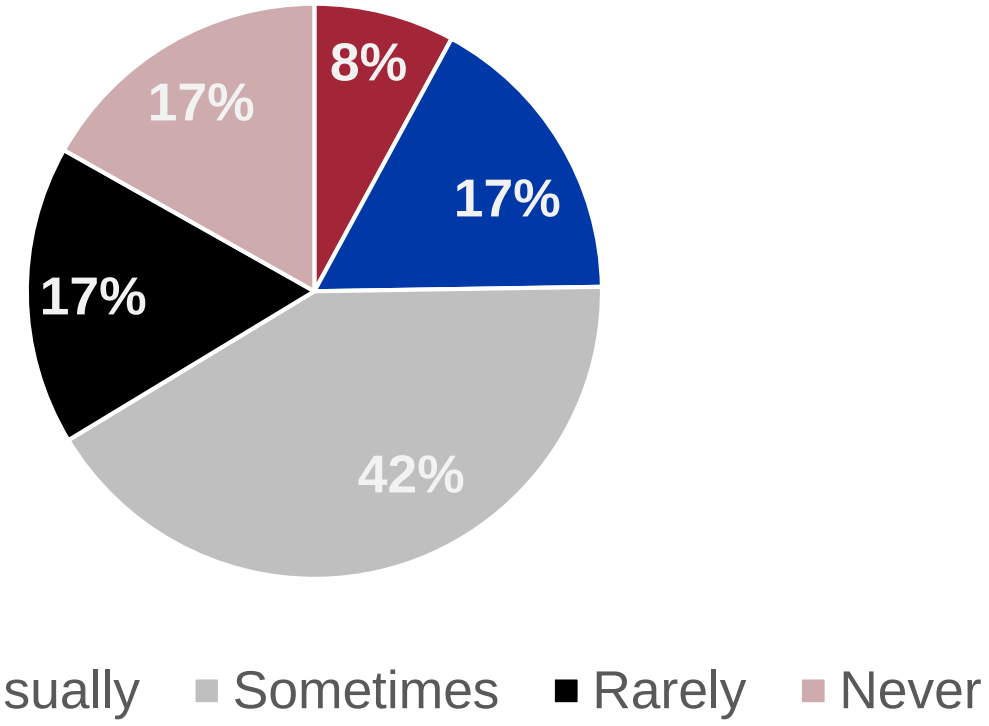
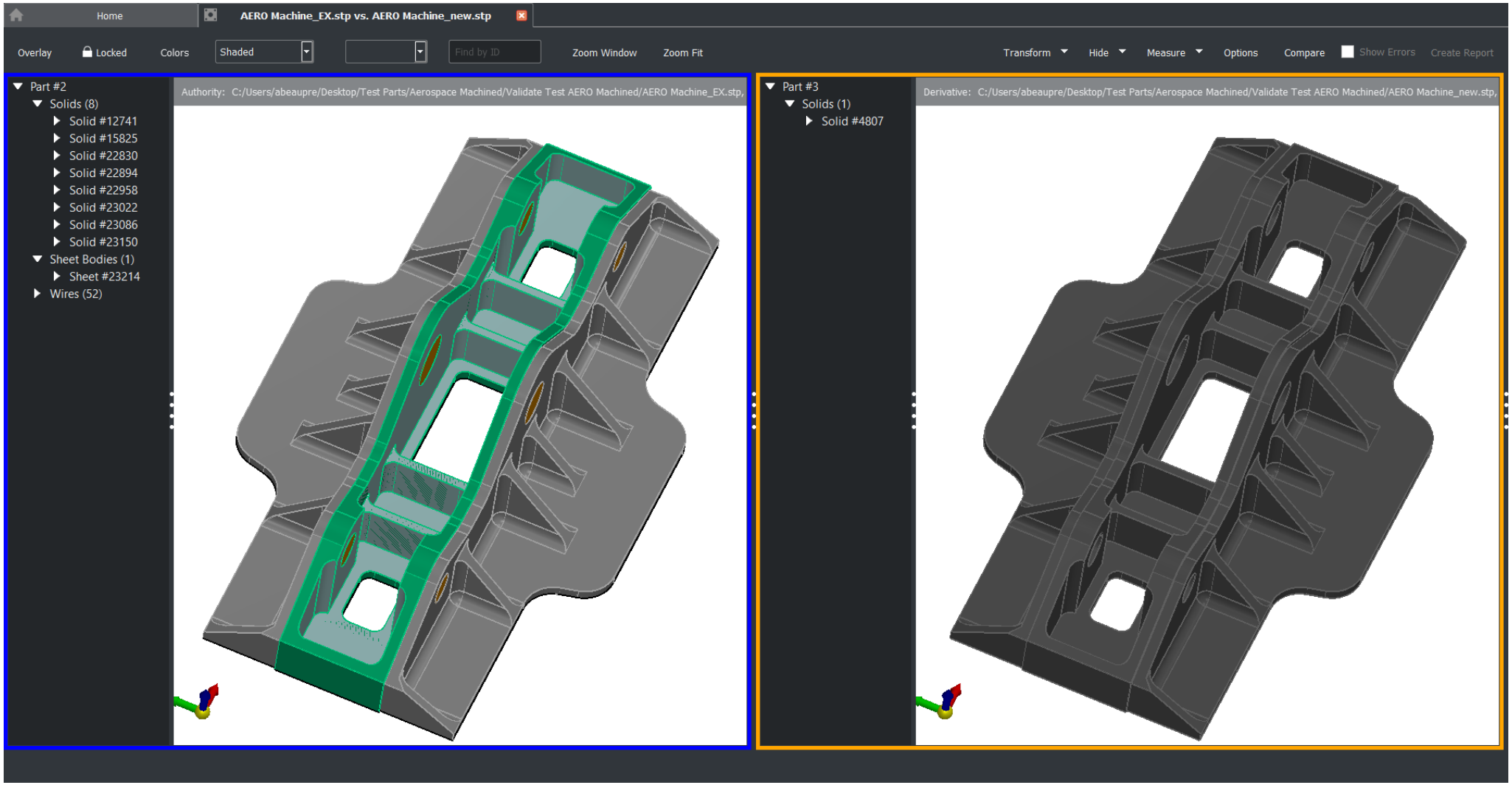
Translation Validation

How often do you compare an authority file that has more data in it than the derivative file?



Application of Comparison



Application of Comparison

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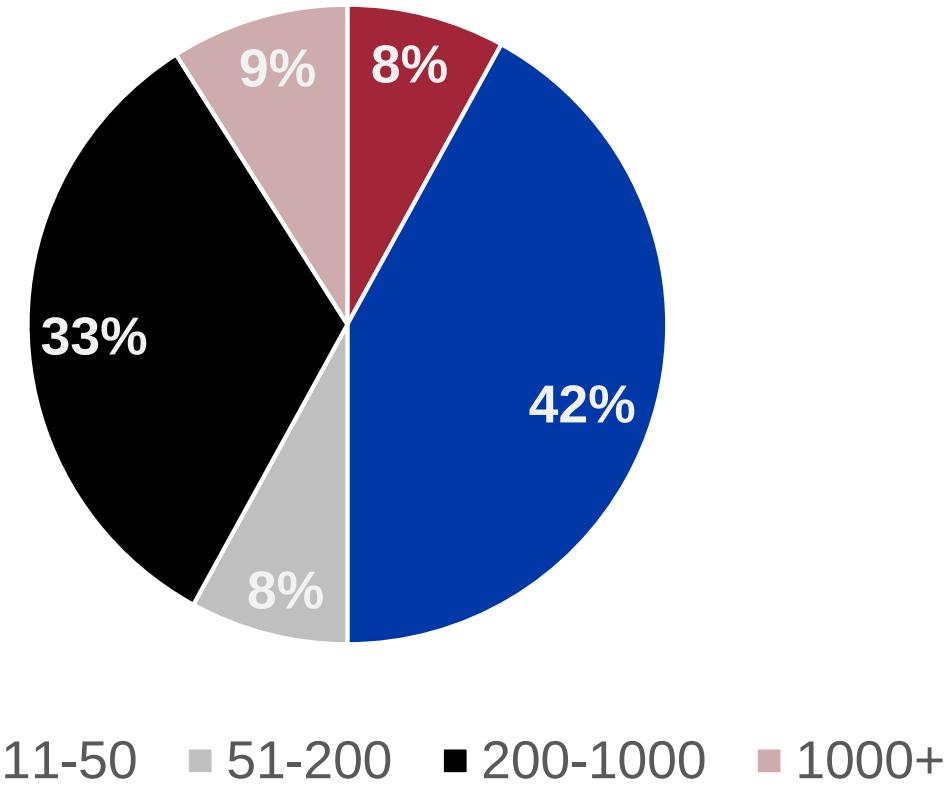
Translation Validation

Approximately how many files do you Validate each year?



Application of Comparison

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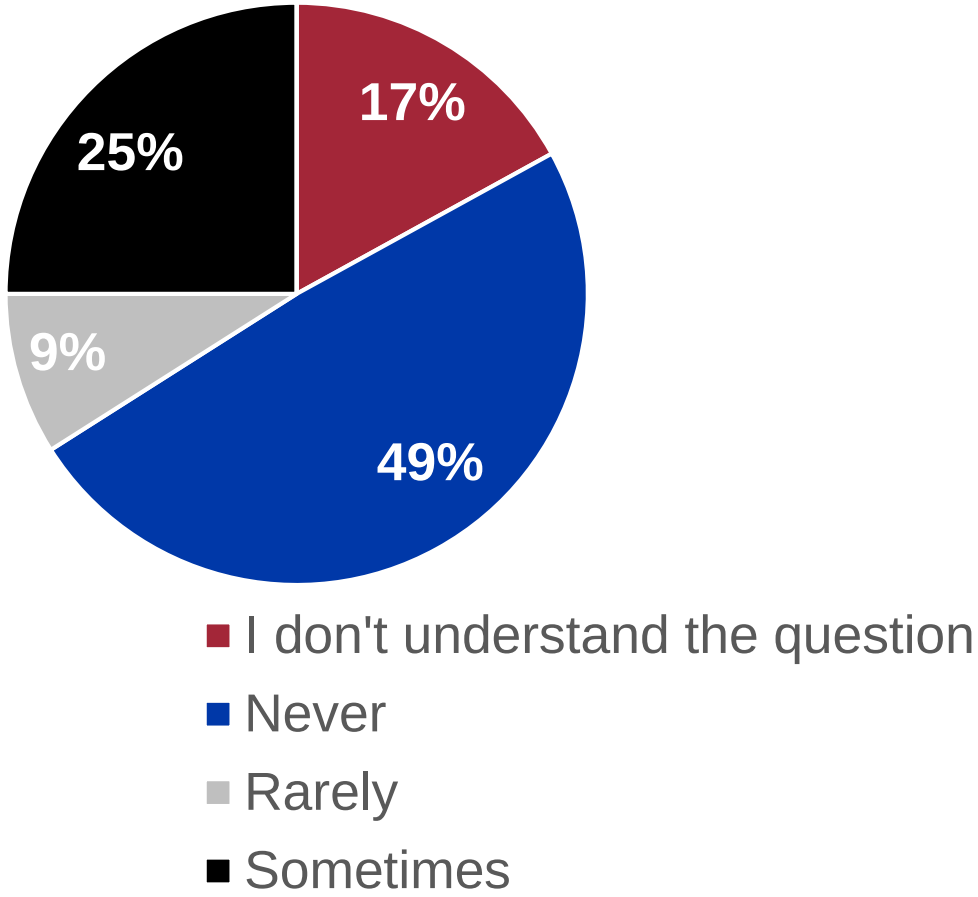
Translation Validation

Do you ever perform batch validations?



Application of Comparison

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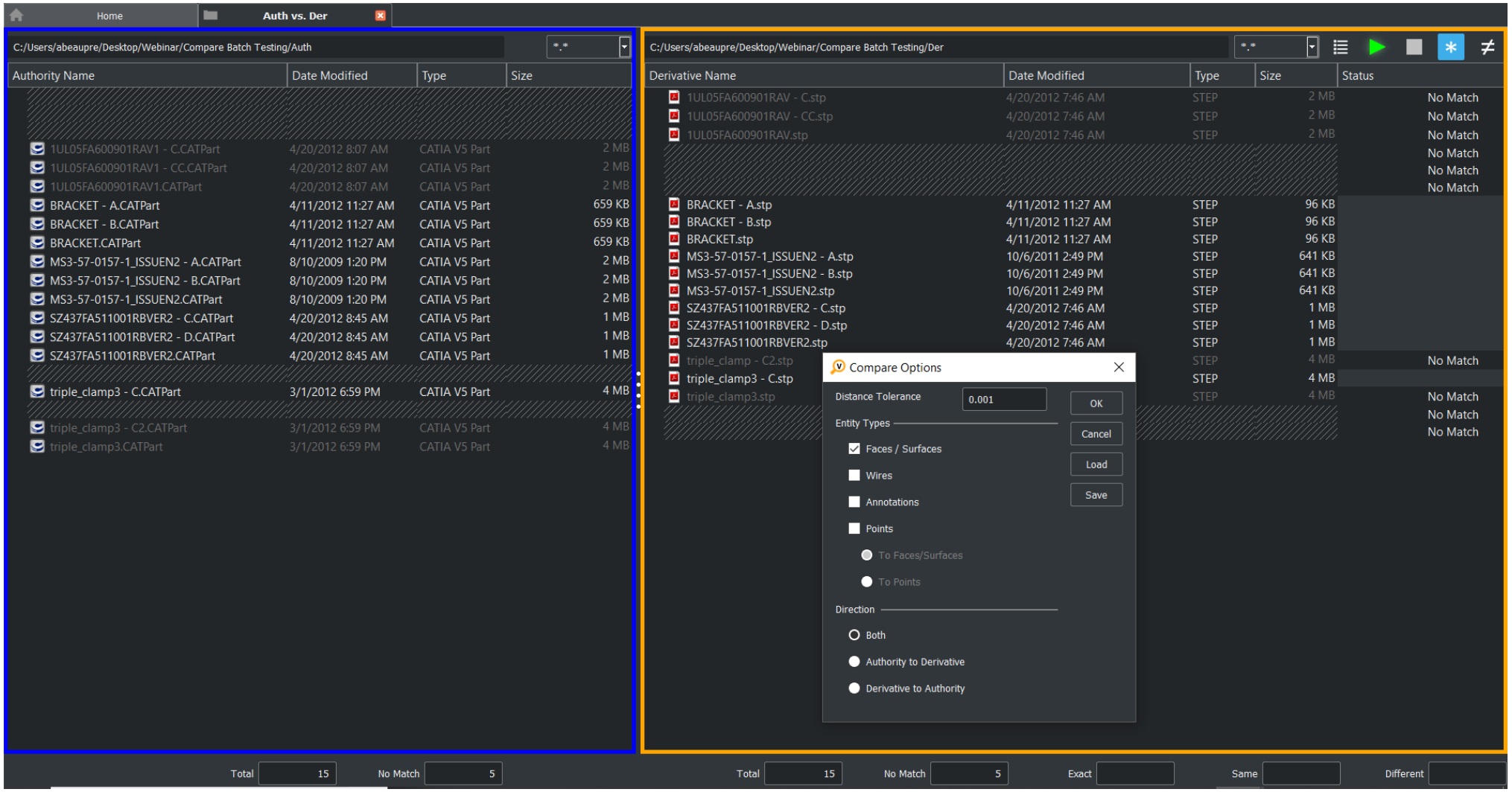

On the Horizon

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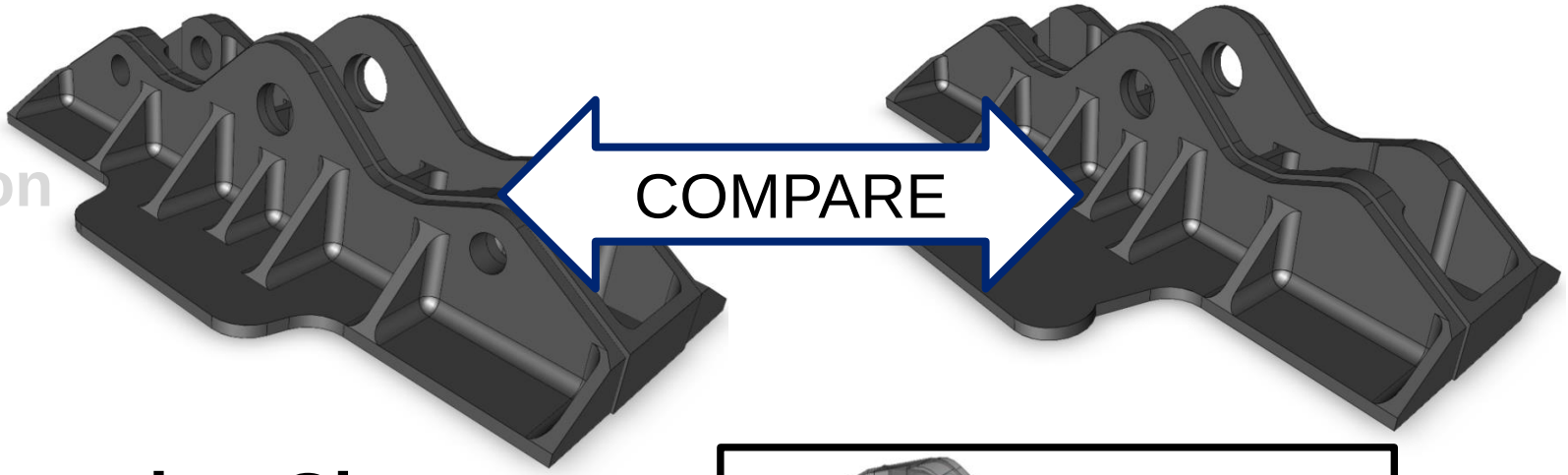
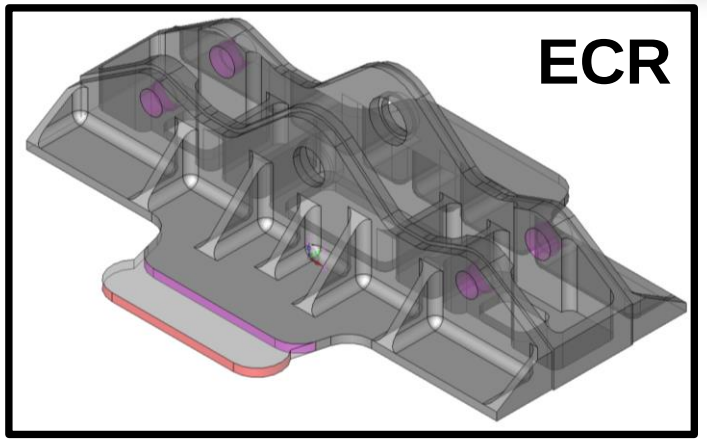


Engineering Change Detection and Reporting



On the Horizon

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- **Engineering Change Detection and Reporting**
- **KOSMOS**
- **October 2019 Release**

On the Horizon

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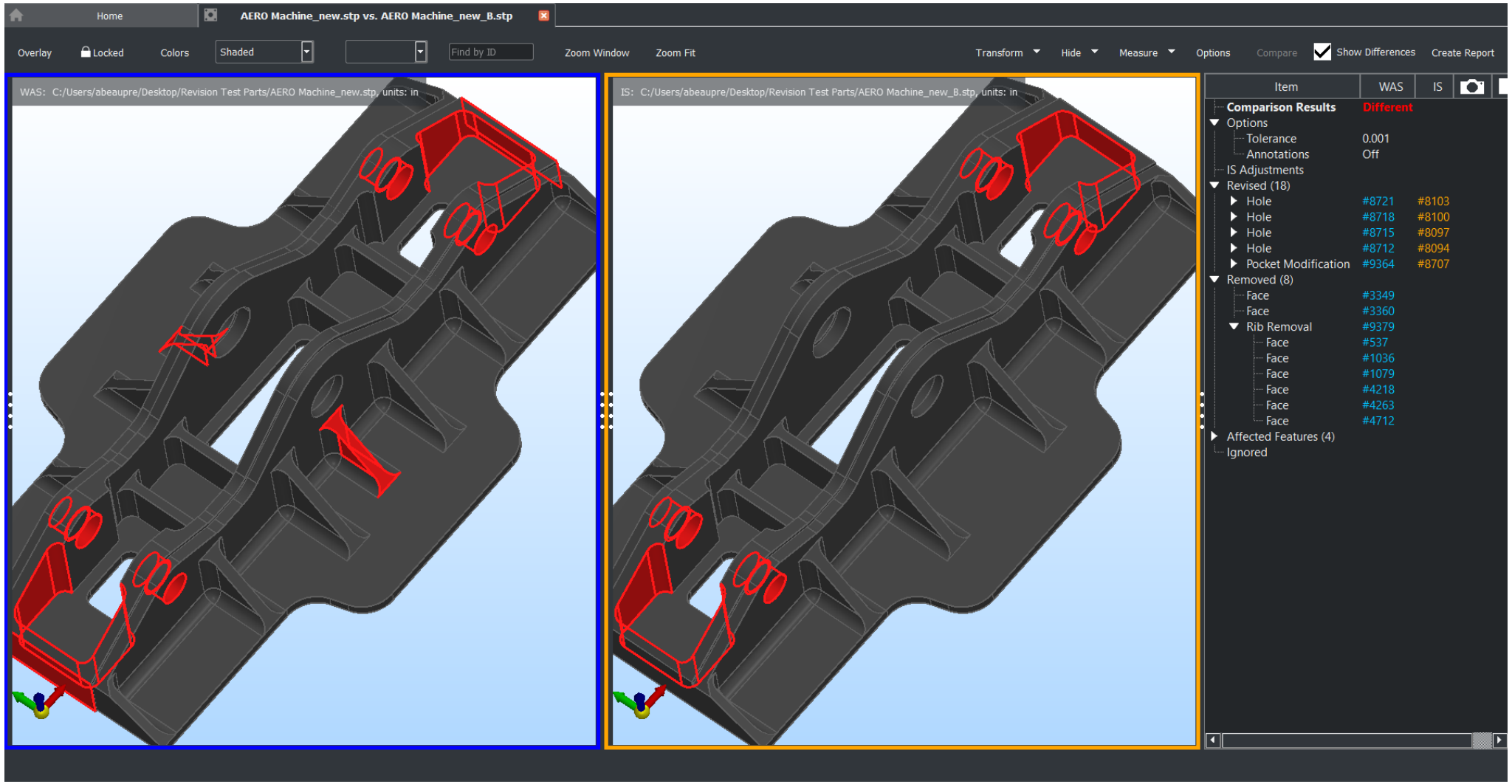

Questions

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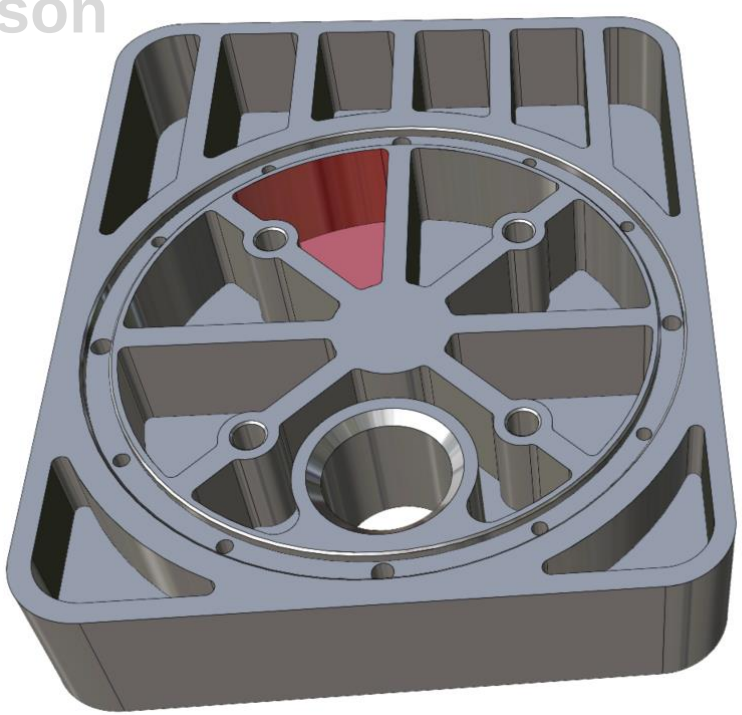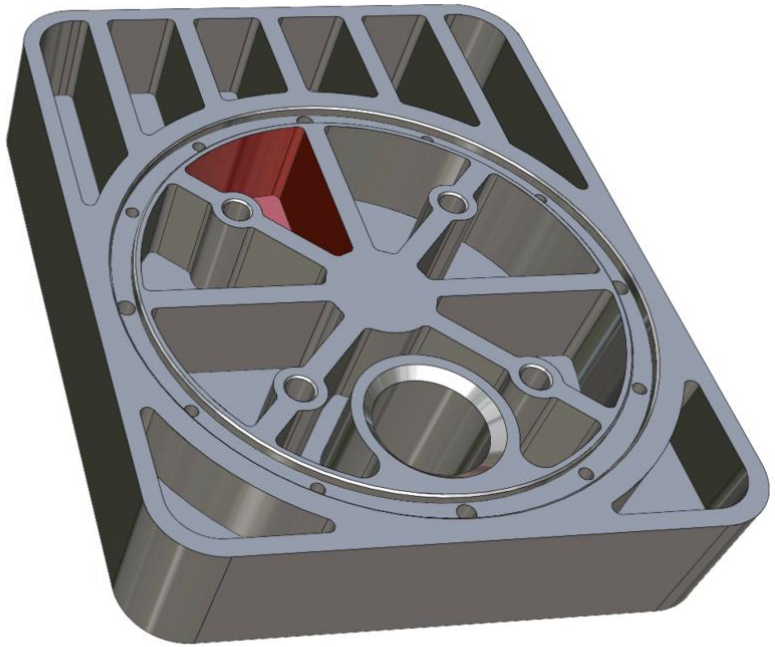
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