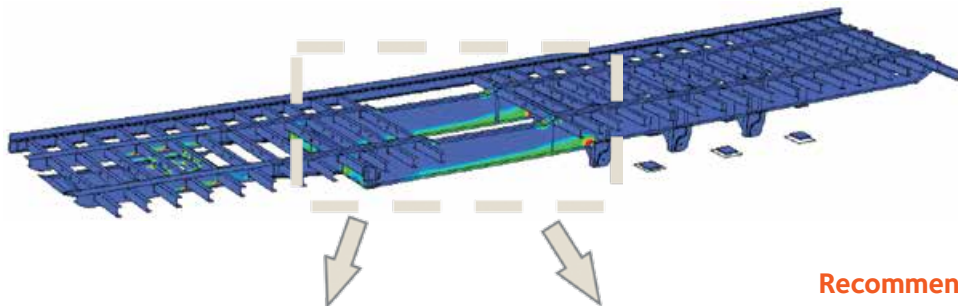




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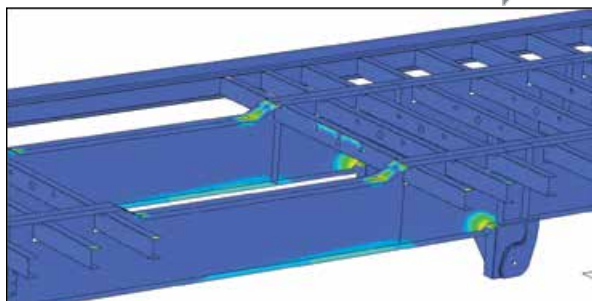
High strength steel solutions for trailer chassis

- ArcelorMittal R&D developed a light weight solution for trailer chassis using high strength steels.
- Major highlights of this solution:
 - 39 percent weight reduction
 - 29 percent material cost reduction
 - 175 gal/year fuel savings
 - 2000 lbs/year lower CO₂ emissions
- This was possible with the use of Armstrong® grades produced by ArcelorMittal.
- 24 tonne load was used to study the performance of the trailer under various operating conditions.



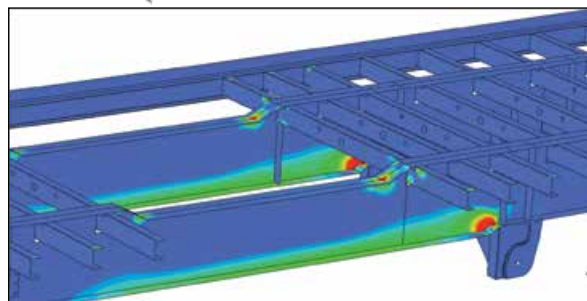
High stresses can be allowed using high strength steel grades

Baseline



Load case 2; vonMises stresses; scale 100-400 MPa

Recommendation



Load case 2; vonMises stresses; scale 100-400 MPa



ArcelorMittal

ArcelorMittal USA
Corporate Office
1 South Dearborn Street
18th Floor
Chicago, IL 60603-9888
USA

T +1 800 422 9422
usa.arcelormittal.com

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