Mighty Seam™, HFW Line Pipe (1/3)

1. Features

Mighty Seam™ is a high-performance HFW* line pipe that employs advanced QC/QA** technologies. Mighty Seam™ features:

1) Clean, full-length electric-weld seams (highly reliable seams)
2) Both weld seam and pipe body exhibit superior properties.
   [ I.E., lower temperature toughness and higher strain capacity ]

Mighty Seam™ has been qualified by major companies and used in applications in place of Seamless and UOE line pipes at a lower investment cost.

*HFW pipe: a pipe welded using High-Frequency Electric resistance welding.
**QC: Quality Control; QA: Quality Assurance

![Conventional HFW vs. Mighty Seam™ HFW](image)

**High-sensitivity ultrasonic scanning image (JFE original)**
Mighty Seam™, HFW Line Pipe (2/3)

2. Technical Advantages

Suitable for demanding applications, such as:
1) Reel-lay (DNV OS-F101 Suffix-P)
2) Low-temperature service
   -46°C (-50°F)
3) Sour service (API 5L Annex-H)
4) J-lay and S-lay
5) Heavy wall pipes of up to 25.4 mm (1.000”)

3. Commercial Advantages

- Cost competitive against Seamless or DSAW pipe
- More efficient girth welding during installation due to its precise diameter
Mighty Seam™, HFW Line Pipe (3/3)

4. Supply Record

- Developed in 2009
- Field Proven: In total, 33,000 MT has been supplied globally.
- Customers: Supermajors, national oil companies, major EPC companies
- Areas: Canada, Alaska, Northern Europe, Australia, etc.

Suitable Applications

- Low temperature service (-46°C [-50°F])
- Reel-lay
- Offshore Sour Gas

A supermajor oil company employs Mighty Seam™ as it highly rates its excellent weld reliability.
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