

Lean Duplex 2

Presented by: John F. Cannon
Walker Group Holdings Expo 2010

UNCOMPROMISING METTLE.

BRENNER

What is Lean Duplex 2?

- A relatively new type of stainless steel.
- Higher strength alloy with two phases
- A variant of duplex grades with 20+ years of service in severe conditions
- A metal more tolerant of temperature fluctuations

2007

- Rising metal (Nickel) costs
- Brenner sought alternative material and Special Permit
- Lean Duplex sourced (UNS32101, UNS32003)
- \$5k savings per tank at peak
- Better PRE

2007-2009

- Hundreds of lean duplex tanks built by Brenner
- Excellent performance in varied services
- US DOT Comments at 2007 Expo
- Petition for change to Special Permit

2010

- Change to Special Permit granted
- 700# lighter vessel
- Same corrosion allowance
- Same durability (UTS, YS)
- New engines

UNCOMPROMISING METTLE.

BRENNER



BRENNER



BRENNER

BRE

BRENNER

DOT-SP 1467

15' AMERICA

Conclusion

- You can depend on us at Brenner – and Walker Group Holdings – to anticipate your needs, and seek solutions.
- Consider introducing Lean Duplex 2 units to your fleet!