

ExxonMobil Baytown Train-2

R1 In-place Compressor Blade LE Blending

Frame 6B User Group Meeting

June 10, 2008

Jeff Gillis

ExxonMobil
Chemical

Baytown Cogen Vital Stats

- Located in Baytown, TX (about 25 miles east of Houston)
- Supplies power & steam to Baytown Refinery & Chemical Complex
- 3 PG-6541 Units
- Commissioned in 1989
- Base load, NG fuel, NOx steam injection
- Between 153k – 159k fired hours

Summary

- During annual inspection of unit #2, found a number of R1 compressor blades with LE FOD.
- Borescopic inspection did not find any additional damage.
- PAC recommended blending the FOD and provided blending instructions.
- GE field crew initially resisted blending through the IGVs without lifting the compressor case.
- After several responses that other sites had successfully performed this activity, GE proceeded with blending.
- Major concern was disabling the IGVs...pulled the actuator pin, locked the IGVs in-place, and locked out the hydraulic oil system to disable the ratchet.



MAY 28 2008



32

33

34



JUN 3 2008

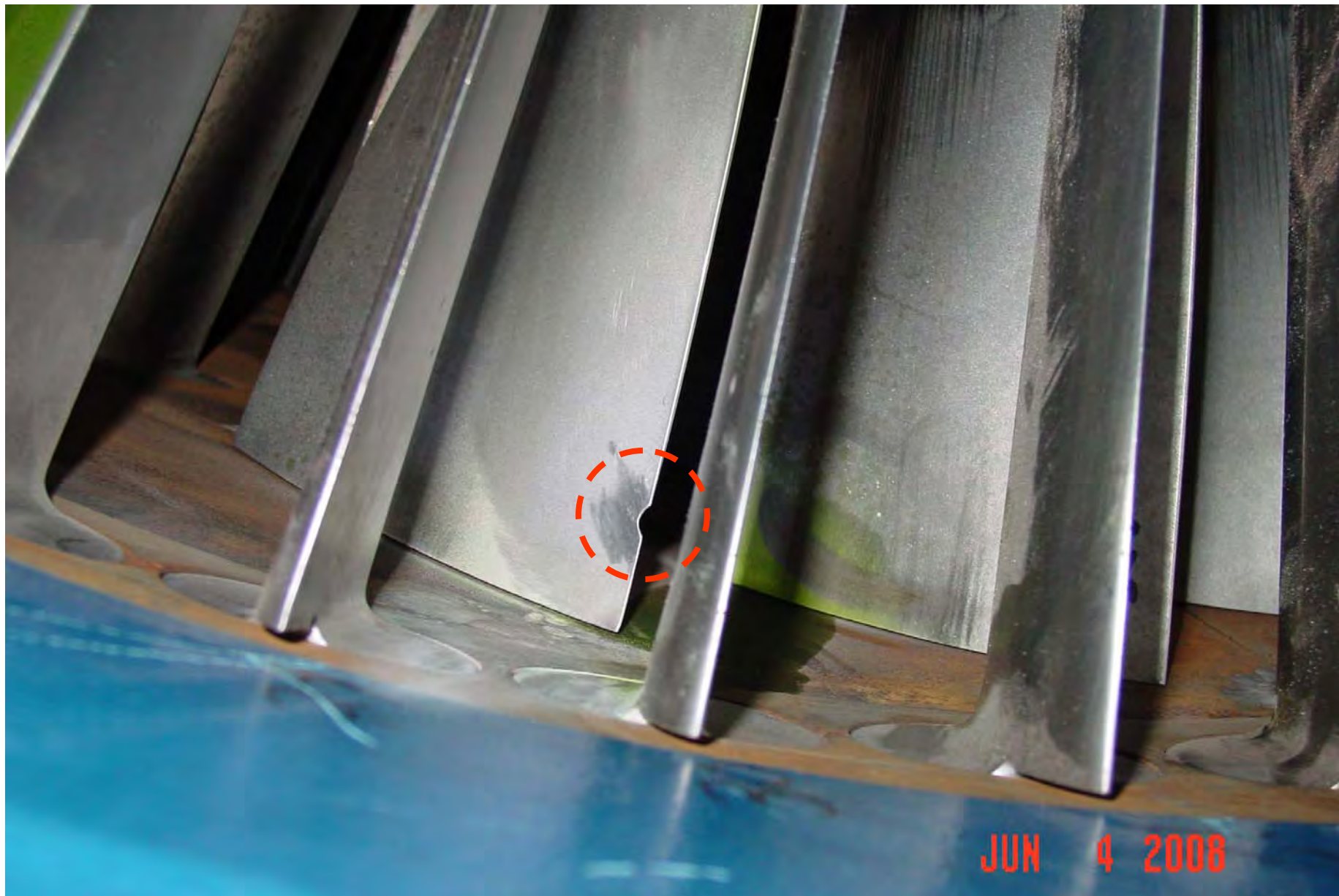




JUN 4 2008



JUN 4 2008



JUN 4 2008

