

Two GE frame 6B gas turbine condition overview

1, GT information

Original Manufacturer	Model	Type	Fuel	Rated Power
GE	MS6001B	PG6581B	Natural gas	41.89 MW

2, Unit1 operation records

Unit1 was put into commercial operation in September 2004. Under ISO conditions, the unit's output is 41.89MW (natural gas). Until January 1, 2018, it had been ignited and started 867 times, 15,962 hours of heavy oil operation, 2465 hours of natural gas operation, resulting in a total unit operating time of 18,427 hours.

3, Unit1 maintenance records

Item	Time	Maintenance Description
1	02.2005	Replace the rotor three-stage nozzles, auxiliary thrust bearing, No. 1 and No. 2 bearings
2	05.2006	Replace 10 transition sections, 10 flame chambers, primary nozzles, and eliminate inter turn short circuits in the generator rotor
3	05.2007	Replace the first stage nozzle, first, second, and third stage rotor blades, second bearing, 10 transition sections, and 10 flame chambers.
4	10.2010	Changed fuel system from oil to natural gas

4, Unit2 operation records

Unit2 was put into commercial operation in September 2005. Under ISO conditions, the unit's output is 41.89MW (natural gas). Until January 1, 2018, it had been ignited and started 850 times, 14,751 hours of heavy oil operation, 3127 hours of natural gas operation, resulting in a total unit operating time of 17,878 hours.

5, Unit2 maintenance records

Item	Time	Maintenance Description
1	06.2005	Replace the first stage nozzles
2	11.2006	Replace 10 transition sections, 10 flame chambers, No.3 bearing
3	05.2008	Replace the first stage nozzle, first, second, and third stage rotor blades, 10 transition sections, and 10 flame chambers.
4	10.2010	Changed fuel system from oil to natural gas