



# QUALITY PROBLEM ANALYZE



**HANISUGI**  
JAPAN

WHEELS

# 1.



**A. Rust**, the wheels surface against and the surface broken will be caused the surface rust, also Poor storage environment can caused the surface rust

# 2.



**A. Wheels lateral fatigue crack(air leak):** wheel overload, partial load, poor road condition, driving road bumps

# 2.



**B. the welding broken:** during the production, the welding not good.

# 2.



**C. Wheels welding (air leak):** wheel overload, partial load, poor road condition, driving road bumps.

# 3.



**A. The rim out of the shape,** wheels overload, poor road conditions, The driver's bad driving habits, sudden braking , or the air pressure exceeds the rated air pressure

# 4.



**A** .Dis broken, wheels overload, poor road condition, sudden braking.



**B** .**The bolt hole crack:** Nut looseing, resulting in uneven bolt hole stress, wheel overload, insufficient tire pressure or careless driving,



**C** .**Fatigue cracking of bolt hole:** the installation is not in place, the bolt torque is not enough or all the bolt torque is not uniform

# 5.



**A. Welding:** out of welding, rims and disc are all not any broken, it means the problem is caused by the production welding