**Peninsula Alloy Foundry – Niagara, Ontario, Canada**

**FACILITIES & EQUIPMENT – JULY 2017**

Pattern Stores 1 on-site

 3 off-site

 Minor repairs and upgrades to pattern equipment done on-site

Core Making Furan based

 Size – unlimited

Moulding Furan based

 2 moulding lines

 Carousel

 Floor

 Size – unlimited

Alloys More than 250 different ferrous analyses poured

Pouring Induction melting – 4 furnaces – 20,000 lbs total capacity

 2 furnaces at 6,500 lbs each

 2 furnaces at 3,500 lbs each

(1 test furnace at 500 lbs)

Casting Size 25 – 13,000 lbs

Spectrometer On-site Spectromaxx spectrometer

Overhead Cranes 10 Ton

 5 Ton

 2 Ton

Gantry Crane 15 Ton

Jib Cranes Many

Heat Treat Furnaces 8’W x 6’L x 8’H

 6’W x 8’L x 9’H

 10’W x 8’L x 8’H

Quench Tank 30,000 gallon capacity (water)

 Agitation – 2 circulating 24” impellers at 20 hp each

Shot Blast 6’ tumble blast

 6’ table blast

 10’ table blast

Welding Booths 2 MIG

Grinding Booths 7

Quality Control Non-destructive (in-house)

 MPI (wet & dry), LPI, UT

 Hardness Testing

 Tensile Machine 60,000 lbs capacity

 RT / X-Ray & Charpy – outsourced

Fanuc Robot Patternless Mould making

3-D Sand Printer 7’ x 7’ x 7’ cube – being manufactured