**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