



Ensure that you are using the proper pump material for grit and primary sludge! →



The Hard Facts!

- Grit and primary sludge are highly abrasive!
- The major abrading element is silica sand.
- Silica sand has a hardness of 570-**590** BHN.
- Municipal industry standards for ~ 30 years is to have pump wet end parts of 650 BHN minimum hardness!
- You need a pump wet end material harder than the hard abrasive!



What are pump manufacturers recommending for grit and primary sludge?

- Hayward Gordon only offers our TORUS Recessed Impeller pump with Super Ni-hard wetted parts (650-700 BHN hardness) for applications containing Grit. Our specifications reflect this.
- Wemco, despite issuing numerous articles stressing the importance of using a wet end material harder than silica sand, are now pushing the Model C with hi-chrome wetted parts at 570-600 BHN? **Why?!**
- Wemco is sourcing hi-chrome from overseas with hardness target of **570 BHN**. Grit can be 590 BHN! Wemco is doing this because it's **cheaper - ZERO benefit for the customer in getting a substandard product**. Wemco are now even listing grit with a maximum hardness of 570 BHN! Not true, can be as high as 590 BHN!
- Wemco can provide 650 BHN Ni-hard wetted parts to meet municipal industry standards. Specifications should reflect this hardness and they should be made to comply.