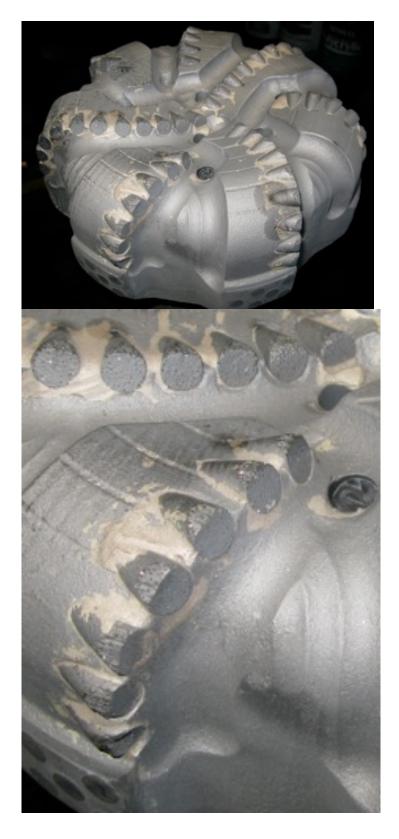
8 ¾" KX-1 Diamond-Impreg Sidetrack Bit



This bit type is intended for use in sidetracking operations when the target formation may damage PDC cutters or natural diamonds by impact loading. The KX-1 uses HPI (high pressure impreg) inserts that are mounted just like PDC cutters but the HPI's are much more impact resistant so they can have the cutting action of a PDC cutter but the abrasive resistance of diamondimpreg. They are brazed into the bit head so they can be refit after dulling.

The bit at left was used to sidetrack in a fractured target formation that fractures both PDC and Natural Diamond Sidetrack bits, making the bit cost extremely high for one run for them. This KX-1 Bit will have its inserts turned to a good edge (or replaced) and be ready for another rental run, which has cut sidetrack bit costs by 75%.

