

### NuKut SO 31 Premium soluble cutting oils for heavy duty metalworking applications like CNC machining, drilling, grinding, honing, milling, sawing and turning, screw machines.

**Applications:** NuGeneration Technologies' NuKut lines of soluble oil metalworking fluids are designed to assist in many metal cutting and machining operations on ferrous, non-ferrous, and specialty alloys including aluminum and titanium. Non-chlorine, non-sulfur, non-phenol and non-nitrate based fluids with propriety extreme pressure lubricants allow for easier disposal over chlorinated and sulfonated products.

**NuKut SO 31** Our best performing newest product in the SO line. A soluble oil with no active chlorine, sulfur or phenol. Extend tool life with a proprietary E.P. additives and highly refined mineral oil, which leave a corrosion (rust) protective film on machine slides, ways and fixtures. Low foam under even the most severe operations.

**NuKut SO 31** has been shown to improve tool life more than 50% in most operations compared to competitive products.



#### Benefits:

- Low foaming
- High lubricity
- Excellent surface finishes
- Improved sump life
- Improved tool life
- Excellent corrosion protection
- Operator friendly
- Mild odor
- Hard water stable
- Easy to clean

#### Typical Usage Parameters:

	NuKut SO 31
Description	Heavy duty water soluble oil
Grinding & Turning Refractometer	2 – 6% 2 to 6
Cutoff Saws Refractometer	3-7% 3 to 7
CNC: Milling, Drilling Refractometer	4 – 10% 4 to 10

#### Physical Properties:

	NuKut SO 31
PH 5%	8.7
Bulk Density, #/gal	8.1
Flash point	> 400°F
Chelates	None
Solubility in water (water 1 <sup>st</sup> )	Complete
Biodegradable	Against
Nitrites/nitrates	No
Refractive index	1
Cast Iron Chip Test	<4%

**COOLANT MANAGEMENT:** Send any NuGenTec Coolant from your sump into our lab for a FREE analysis. Consisting of: actual concentration, pH, Conductivity (TDS), Bacterial counts, % emulsified oil & total oil. Receive recommendations on sump life extension and coolant maintenance.