



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 st)	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.

