

# MACHINING & GRINDING FLUID SYNTHETIC

## QUAKER 2769 DL

### APPLICATIONS

QUAKER 2769 DL is a water-dilutable synthetic used at 3 to 5%. It can be used on all normal steel grinding operations but also on arduous grinding for example the grinding of alloy steels and stainless steels in operations such as:

- Centerless Grinding
- Cylindrical Grinding
- Surface Grinding

### BENEFITS

- Through incorporation of the well-known Quaker biostatic technology a sump life of 6 to 12 months is easily achieved in well-maintained systems.
- Excellent trampoil rejection prevents blinding of grinding wheels thus prolonging wheel life and ensuring a more effective grinding operation.
- The emulsion is extremely low foaming reducing air entrapment. This decreases the risk of cavitation at the discharge site of the pump and thus of reduced cooling. Cavitation causes excessive pump wear whereas optimal cooling ensures good workpiece quality at high production rates.
- Machines are kept cleaner due to the excellent detergency of the product. It does not produce sticky residues ensuring good fines handling properties. Both properties result in better visibility of the workpieces and better working conditions.
- This product is Chlorine, phenol, nitrite and di-ethanol-amine (DEA) free reducing environmental hazards while increasing worker safety. In fact it does not contain any components that require naming in the hazards identification paragraph in the Material Safety Data Sheet (MSDS).

### CUSTOMER REFERENCES

Rolls Royce Aerospace  
Approved CSS 130

Engine Manufacturers  
Caterpillar

PSA

Renault

Sub contractors  
GKN

Lajous Industries

### OEM REFERENCES

- Landis
- Toyoda



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## QUAKER 2769 DL

### FLUID MAINTENANCE

QUAKER 2769 DL is delivered as a concentrate to form a solution when it is diluted with water. The product is suited for all water types.

In order to assure a long sump life the concentration should be checked regularly by refractometer or alternatively by checking the alkalinity of the solution. Contamination with solids should be reduced by filtration and tramp oil should be skimmed off as often as possible.

### PACKAGING

QUAKER 2769 DL is available in drums containing 60 or 220 kg net.

### STORAGE

If the following criteria are adhered to, the product can be stored for at least six months. Recommended long-term storage temperature: 4 - 35° C.  
Keep drums tightly closed when not in use.  
Store drums in a dry and well-ventilated area.

### PROPERTIES CONCENTRATE

<i>Property</i>	<i>Typical</i>	<i>Unit</i>
Appearance	Light yellow liquid	
Density at 15° C	1,091	kg/m <sup>3</sup>
Kinematic viscosity at 40° C	11	mm <sup>2</sup> /s
Total alkalinity	151	mg KOH/g

### PROPERTIES SOLUTION

<i>Property</i>	<i>Typical</i>	<i>Unit</i>
Appearance	Transparent liquid	
pH, 5% in test water	9.3	
Refraction index factor	0.64	°Brix/%

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### AUTHORIZED RESELLER