FLUID REFERENCE CHART

Properties and Applications

LENOX METAL-WORKING FLUID	TYPE			METALS				APPLICATIONS					
	FLOOD COOLANT	SPRAY LUBRICANT	MANUAL APPLICATION	USE WITH SOLID METALS	USE WITH STRUCTURAL METALS	USE WITH FERROUS METALS	USE WITH NON-FERROUS METALS	BAND SAWING	CIRCULAR SAWING	DRILLING	TAPPING	MILLING	GRINDING
CYCLE HD™	•			•	•	•	•	•	•	•	•	•	•
BAND-ADE®	•			•	•	•	•	•	•	•		•	
SAW MASTER™	•			•	•	•		•	•	•			•
LENOX *LUBE®*		•		•	•	•		•	•	•	•	•	•
C/AI LUBE		•		•	•	•	•	•	•	•	•	•	•
LENOX *PROTOOL LUBE®*			•	•	•	•	•		•	•	•		

LENOX METALWORKING FLUID	CHEMICAL PROPERTIES							
	TYPE	COLOR	BIOCIDES	RUST/ CORROSION INHIBITORS	CONTAINS MIN-ERAL OR PETROLEUM OIL	CONTAINS CHLORINE OR SILICONE	CONTAINS SULFUR/ SULPHONATES	CONTAINS CARCINOGENS
CYCLE HD™	Soluble Oil	Amber	Yes	Yes	Yes	No	No	No
BAND-ADE	Semi-Synthetic	Translucent Pink	Yes	Yes	No	No	No	No
SAW MASTER	Synthetic	Translucent Pink	Yes	Yes	No	No	No	No
LENOX *LUBE*	Synthetic Emulsion	Translucent Green	Yes	Yes	No	No	No	No
C/AI LUBE	Synthetic Oil	Translucent Blue	No	Yes	No	No	No	No
LENOX *PROTOOL LUBE*	Synthetic Emulsion	Translucent Yellow	Yes	Yes	No	No	No	No

LENOX METALWORKING FLUID	PHYSICAL PROPERTIES						
	SOLUBILITY IN WATER	SPECIFIC GRAVITY (H_2O=1)	pH RANGE	VISCOSITY AT 72°F	FLASH POINT	FREEZING POINT	BOILING POINT
CYCLE HD™	Emulsion	0.9 - 1.0	8.8 - 9.5	275 SUS	>93°C/200°F	<-26°C/-14.8°F	>93° C/200°F
BAND-ADE	100%	1.02	8.8 - 9.2	43 SUS	None	-6°C/21°F	99°C/210°F
SAW MASTER™	100%	1.076	9.7 - 10.0	42.7 SUS	None	-12°C/10°F	99°C/210°F
LENOX *LUBE*	100%	1.015	7.8 - 8.2	60 SUS	None	-7°C/19°F	99°C/210°F
C/AI LUBE	Insoluble	0.823	N/A	121 SUS	COC 290°F	N/A	N/A
LENOX *PROTOOL LUBE*	100%	1.03	8.0 - 8.5	500 SUS	None	-25°C/-13°F	99°C/210°F

DILUTION RATIO*	FLUID CONTENT	WATER CONTENT	APPLICATIONS
5:1	20%	80%	Heavy-duty sawing, difficult milling
10:1	10%	90%	Moderate to heavy-duty sawing, drilling, tapping and milling
20:1	5%	95%	Light-duty work
30:1	3%	97%	Grinding, light-duty work

*Dilution ratios are for flood coolants only. LENOX recommends 5:1 or 10:1, depending on the severity of the operation

Customer Service: 800-628-8810
Technical Support: 800-642-0010
lenoxtools.com
custserv@lenoxtools.com
Newell Rubbermaid

3999765
301 Chestnut Street
East Longmeadow, MA 01028-0504 USA
©2011 LENOX