

TECHNICAL DATA SHEET

DESCRIPTION:

SYN 443 HD

SYN 443 HD is a premium synthetic metalworking fluid engineered for the most demanding industrial applications. Its proprietary formulation combines extreme pressure (EP) additives with high-lubricity esters to deliver unmatched performance under heavy loads. Free of chlorinated compounds, SYN 443 HD provides an environmentally responsible solution without compromising strength or reliability. SYN 443 HD forms a durable protective film that ensures superior lubrication, reducing wear and improve surface finish. Its robust chemistry supports extended tool life, even in high-pressure operations with less downtime. Highly versatile, it performs across a wide range of heavy-duty processes including drawing, stamping, and broaching. SYN 443 HD is easy to maintain, cleaning readily with alkaline water-based cleaners. The chlorine-free formulation offers extreme-duty performance while supporting eco-friendly manufacturing practices.

SYN 443 HD contains active sulfur. It is not recommended for use on copper, brass, or other non-ferrous metals sensitive to sulfur due to potential staining.

TYPICAL SPECIFICATIONS:

APPEARANCE	Amber/Clear
pH @ 5%	9.4-9.8
SPEC. GRAVITY	1.055
VISCOSITY	195 SUS @ 100°F

BENEFITS:

- Heavy duty performance
- Long sump life
- Clean running
- Corrosion protection

REFRACTOMETER READINGS:

CONCENTRATION %:	3.3	5.0	6.7	8.4	10.0	11.7
READING:	2.0	3.0	4.0	5.0	6.0	7.0



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