

# Fast Quench 70™



## Product Description

D-A **Fast Quench 70™** is a fast-speed quenching oil formulated to optimize heat resistance using paraffinic base oils and unique resins. Sludge forming tendencies are reduced to a minimum and the quench oil's ability to continuously produce bright finish parts is enhanced. D-A **Fast Quench 70™** provides outstanding stability in its resistance to the oxidation effects of quenching operations. It exhibits excellent thermal stability, retaining its original viscosity in normal service. Additionally, this product minimizes cracking and distortion through controlled cooling of parts, requires no additive replacement, and its high flash point helps minimize fire hazards.

## Typical Applications

D-A **Fast Quench 70™** is recommended for use when deeper and more uniform hardening is required in steels having small grain size or wide variation in grain size, in steels lean in alloy content, when minimum distortion is required in high hardenability steels, or in parts having odd shapes or variable sections. It is also ideally suited for use when parts must retain a bright finish. Such parts are usually heat treated under a protective atmosphere. Conventional quenching oils do not "wet" the smooth, shiny surface. However, this product is formulated to adhere to the surface, thus preserving the bright finish and resulting in more even cooling.

## Typical Properties

ISO Viscosity Grade	Test Method	15
Viscosity @ 40°C, cSt	ASTM D445	14.5
Pour Point, °F (°C)	ASTM D5949	-10 (-24)
Flash Point, °F (°C)	ASTM D92	375 (190)
API Gravity	ASTM D287	34.6
Density, lbs/gal (g/L)	Calculated	7.11 (852)
GM Magnetic Quenchometer, sec	ASTM D3520	10.4
Conradson Carbon Residue, mass %	ASTM D189	0.54
Quench Oil Stain Test		Pass
Color	ASTM D1500	opaque

### D-A Part Number:

Bulk

46701

Tote – 330 Gal

46703