



UNIVERSAL UNIQUENCH OIL

Universal Uniquench Oils are formulated to provide uniform steel hardness and protection against cracking.

Universal Uniquench Oils provide good oxidative performance and thermal stability. Uniquench Oils also show low deposit formation in panel coker testing.

Universal Uniquench Oils were developed in different grades to provide the optimum quenching time for the degree of hardness desired.

<u>PROPERTY</u>	<u>ASTM TEST</u>			
	<u>METHOD</u>	<u>7</u>	<u>13</u>	<u>21</u>
Viscosity @ 40°C, cSt	D445	16.00	14.00	69.50
Viscosity @ 100°C, cSt	D445	3.50	3.30	8.90
Viscosity Index	D2270	102	102	101
Flash Point, COC, °C(°F)	D92	174 (345)	174 (345)	227 (440)
Pour Point, °C(°F)	D97	-15 (5)	-15 (5)	-12 (10)
Color	D1500	6.0	6.0	6.0
Gravity, °API	D287	33.5	33.0	30.0
GM Quenchometer, nickel-chrome	D3520	10.0	13.0	21.0
GM Quenchometer, nickel	D3520	7.0	10.0	-
Hot Wire, amps		40	40	35
5-Second Heat Removal, %		30	30	25
Working Range*, °F		5 - 300	5 - 300	8 - 390

*Lower Working Range limits are determined by factors involved in the quenching process in actual plant operation with production parts.

Meets or exceeds the following tests and requirements:
MIL-H-6875H