

# Quenching Oil : Heat Treating Oil

## Product Features

Cure for quenching of hard material, alloy steel, carbon steel, cast iron, applied to various heat treatment of steel products.

## Product Features

- Initial Quenching speed is fast while passing through the vapor film (formation) stage and the cooling stage,
- If you pass the lowest cold zone (convection stage) there is a slow cooling has the highest hardness values characteristic deformation and residual stresses are minimized,
- Reduce to a minimum the deposition castle (the deposition resistance) is good because the consumption of heat-treated Yongyu low viscosity for easy removal when the alkaline cleaning residue,
- Excellent thermal stability, long life Yongyu heat treatment under normal working conditions.

## 석유계 열처리용유(Mineral Quenching Oil)

Separation	Specific Gravity 15/4°C	Viscosity cSt 40°C	Flash Point °C	To burn °C	Cooling performance		Others
					Characteristic temperature	Cooling sec. (800~400 °C)	
A 101	0.870	15	≥210	230	620	2.80	Room temperature
A 201	0.875	22	≥214	250	610	3.71	
A 301	0.891	460	≥310	365	680	5.20	high temperatures

## 수용성 열처리용유 (Water-soluble Quenching Oil)

Separation	Specific Gravity 15/4°C	Viscosity cSt 40°C	pH	Apply material	Concentrations (%)	Others
Quench B	1.08	300	9.5	Iron, aluminum	5~25	Substitute for oil (PAG)