Barton Heat

Quenching L603Z

Based on highly refined paraffin base oil

Metallic oil

Refined paraffin-based metallurgical oil for synchronous hardening of carbon steels, bearing steels and alloy steels. Quenching L603Z is formulated with an effective anti-oxidant additive that accelerates quenching.

APPLICATION

L603Z is a new generation, fully accelerated quenching oil. This is a unique blend of refined base oils, with a state-of-the-art advanced quenching oil additive package. The multi-component additive contains highly effective wetting agents and an accelerator that reduces vapor coating to promote faster quenching rates. Heat treatment applications involve hardening or rapid quenching of carbon and alloy steels, gear nuts, spring steels, and bearing steels.

Heat treatment processes where steels are required to have uniform hardness, less deformation and less discolouration, etc

ADVANTAGES

Effective hardening Due to its low viscosity, the oil circulates rapidly during heat exchange, allowing for rapid curing. Effective dispersing additive helps to quickly disperse air bubbles, limiting their insulation effect. Low Oil Consumption Low viscosity at temperature allows the oil to separate quickly and reduce oil loss. Longer oil life. Base oils with inherent thermal and oxygen stability are enhanced by effective anti-oxidant and dispersant additives allow maximum oil life extension. Increased production productivity Base oil's thermal stability combined

with dispersant additives minimizes oil cracking and metal surface deposits reducing the need for cleaning and stain removal after I .

KEY CHARACTERISTICS

ISO 22 viscosity grade	**22**
Specific gravity @ 15.4°C	0.8437
Kinematic Viscosity at 40°C	26
Combination time(sec,800°C–400°C)	4.0
Optimum oil temperature	60-70
Suitable used oil	50-80
Kinematic Viscosity @100°C	5.0
Freezing Point (°C)	-12
Flash point(°C)	222
Open cup flash point	208
Characteristic temperature (°C min	550