

## 经过蒸馏后柴油、混合油与国标 0#柴油技术指标的比较

After distillation of diesel, mixed oil and GB 0# diesel

### technical indicators comparison

项目/items	柴油(精馏后)/diesel(after distillation)	混合油/pyrolysis oil	国标 0#柴油/GB 0# diesel
氧化安定性/ Oxidation stability	2.0	1.5	2.5
硫含量/sulfur volume %	0.005	0.005	0.05
10%蒸余物残碳 /steam residual carbon residue %	0.25	0.25	0.3
灰分/ashes%	0.008	0.1	0.01
铜片腐蚀/级 /copper corrosion/level	1.1	1.1	1
水分%/water	痕迹/ traces	1	痕迹/ traces
机械杂质 /mechanical impurities	无/no	无/no	无/no
密度/density	0.85	0.88	0.83-0.87
凝点/freezing point /°C	-10	-5	0
闪点(闭口)/flash point(closed)/°C	45	40	55
运动粘度 /kinematic viscosity	2.5	5.0	3.0-8.0
燃烧值 /combustion value	9500	10000	8500
色度/color	1.2	4.5	≤3.5
十六烷值/ Cetane number	43	38	46

## 精馏后汽油基本物化性能

The basic physical and chemical properties of gasoline after  
distillation

	汽 油/gasoline
分子式/formula	C <sub>6</sub> —C <sub>12</sub>
平均分子量/average molecular weight	
含氧量/oxygen value (W%)	
含氢量/hydrogen value (W%)	
含碳量/carbon value (W%)	
密度/density (20°Ckg/L)	0.75
沸点/boiling point (°C)	70-97
汽化潜热/latent heat of vaporization (ML/kg)	
运动粘度/ kinematic viscosity (20°C) (Pas:10 <sup>-3</sup> )	0.1
辛烷值/octane value (RON)	82
低热值/low heat value /HL (MJ/L) 26.778	
理论混合气热值/theory of mixed gas calorific value (ML/kg)	
着火温度/ignition temperature (°C)	330
理论空燃比/theory of air-fuel ratio (kg/kg)	