

AORA Standards for burner oils

High Grade Fuel Oil

AORA Standard - Tertiary level burner oil

Tertiary level recycled oils reflect the sophisticated re-refining technologies used in Australia to produce lube base oil.

Distillation processes such as thin film evaporation, and/or propane de-asphalting produce the clean Tertiary level burner oil. It is mainly used in Power stations, Industrial steam boilers and burners to replace new burner fuels where low maintenance is required.

Criterion	ASTM Method	Tertiary level burner oil
Density (kg/L @ 15 °C)	D 4052/D 1298	0.86-0.89
Viscosity (cSt @ 40 °C)	D 95/D 473	25-80
Distillation temperature for 90% vol. recovery (°C)	D 86	410
Pour point (°C)	D 97	≤6
Flash point (°C)	D 3828/D 93	≥61
Gross heating value (MJ/kg)	D 4868/D 240	≥44
Water (vol %)	D 4928	≤0.05
Ash (wt %)	D 482	≤0.05
Sulfur (max wt%)	D 129	0.5
Vanadium (ppm)	D 5185	≤1
Potassium (ppm)	D 5185	≤1
Calcium (ppm)	D 5185	≤1
Cadmium (ppm)	D 5185	≤1
Chromium (ppm)	D 5185	≤1
Copper (ppm)	D 5185	≤1
Lead (ppm)	D 5185	≤1
Sodium (ppm)	D 5185	≤10
PCB (ppm)		≤2
Chlorinated compounds (total, ppm)		≤1000