



# ASPEN E

Fuel for professionals

Aspen E is an ethanol-based competition fuel for engines that are fuel-flexible or converted for ethanol. The majority is ethanol (bioethanol produced in Sweden) and the remainder is a naphtha that is free of aromatic hydrocarbon compounds. The fuel always maintains the same uniform, high quality, allowing optimum fine-tuning of the engine settings.

Aspen E produces lower emissions of most of the harmful hydrocarbons compared to ordinary E85. Aspen E also gives better cold starts and gas response.

Due to the high steam pressure, Aspen E has better winter properties than ordinary E85. Aspen E always contains the same amount of ethanol, while ordinary E85 changes during the year.

The winter version of ordinary E85 contains almost 30% more petrol than Aspen E.

Aspen E fulfils the technical requirements according to Swedish standards SS 155480 Ethanol E85.

## Comparison table

between E85 standard, Lead-free 95 and Aspen E

Property	E85 standard	EN228	Aspen E
Water content mg/kg	500 - 3000	<200	600
Ethanol + higher alcohols % wt alkoholer % wt	73 - 91	<5	81
Oxygen content % wt	26 - 32	<2.7	29
Benzene % wt	0.1 - 0.25	0.5 - 1	<0.01
Aromatic hydrocarbons % wt	3 - 13	35	<0.1
Olefins % wt	0,5 - 5	5 - 18	<0.1
Vapour pressure DVPE hPa	350 - 500	600 - 900	650
E70 %	8 - 13	30	25
Stoichiometric air-fuel relationship	10.3 - 11.0	14.3 - 14.8	10.7

