

AVGAS 115/145

Guaranteed technical properties

Aviation gasoline Avgas 115/145 is a mixture of hydrocarbons obtained from conservative and secondary processes crude oil. Gasoline additives are added Anti- agents, coloring agents, antioxidants, antistatic .

| | | |
|---|-----------------|-----------|
| Colour | | Purple |
| Density at 15°C | kg/m3 | Report |
| Knock rating | | |
| Motor Octane Number, MON | Min. 115 | |
| Performance Number, PN | Min. 145 | |
| Fractional composition | | |
| Initial boiling point | °C | Report |
| 10% vol. | °C | Max 75 |
| 40% vol. | °C | Min 75 |
| 50% vol. | °C | Max 105 |
| 90% vol. | °C | Max 135 |
| Final boiling point | °C | Max 170 |
| Productivity | % (v/v) | Min 97 |
| Residue | % (v/v) | Max 1,5 |
| Loss | % (v/v) | Max 1,5 |
| Sum of 10% vol.+50% | °C | Min 135 |
| Sulphur content | % (m/m) | Max 0,05 |
| Lead content | g Pb/l | Max 1,28 |
| Specific energy | MJ/kg | Min 44,0 |
| Freezing point | °C | Max -60 |
| Corrosion on copper, 2h at temp. 100 °C | Corrosion level | Max 1 |
| Existent gum | mg/100 ml | Max 3 |
| Water reaction - Volume change | ml | Max 2 |
| Electrical conductivity at 20°C | pS/m | 50 ÷ 450 |
| Reid vapour pressure at 37,8 °C | kPa | 38,5 ÷ 49 |
| Iodine number | g J2/100g | Max 2,0 |
| Acidity | mg KOH/ | Max 0,3 |
| Aromatic hydrocarbons content | % m/m | Min 5 |
| Determination of oxidation resistance – by induction period method | h. | Min 12 |
| Oxidant stability at t= 100 °C, 16h | | |
| Potential gum | mg/100 ml | Max 6 |
| Sediment content | mg/100 ml | Max 2 |

Characteristics

Aviation gasoline 115/145 is a mixture of hydrocarbons prepared by the processing of crude oil. It contains anti-knock, antioxidant, dye and antistatic additives.

Application

Aviation gasoline 115/145 is used to power piston-engine aircraft.

Stability

Properly stored aviation gasoline meets requirements of the above specification in a period of not less than 24 months from the date of manufacture.

Classification and labeling

According to the data sheet.

ADR - UN1203 MOTOR FUEL (GASOLINE), 3, II, (D/E)
CN CODE - 27101231

Phrases R: 11, 33, 45/23/24/25, 46, 48/20/21/22, 51/53, 61, 62, 65
Phrases S: 9, 16, 36/37, 38, 45, 53