

# HVO Anleggsdiesel 100 Sommer

## Product Summary

**Product Name:** HVO Anleggsdiesel 100 Sommer

HVO Plant Diesel 100 is a biobased fuel that is produced exclusively from renewable raw materials. It is a full-fledged alternative to fossil diesel and can be used in conventional diesel engines. It belongs to the group of hydrotreated vegetable oils (HVO).

## Principal Benefits:

**Reduced Emissions:** HVO Plant Diesel 100 cuts greenhouse gas emissions by up to 90%, promoting sustainability.

**Cleaner Air:** Lower particulate matter emissions improve air quality and reduce respiratory health risks.

**Renewable Source:** Derived from vegetable oils and animal fats, HVO Plant Diesel 100 is a sustainable alternative to fossil fuels.

**Clean Combustion:** HVO Plant Diesel 100 ensures cleaner combustion, minimizing soot and deposits.

**Enhanced Performance:** A higher cetane number improves engine performance, operation smoothness, and fuel efficiency.

**Reduced Wear:** Fortified with lubricity additives, HVO Plant Diesel 100 minimizes engine wear, potentially lowering maintenance costs.

**Cold Start Reliability:** With excellent cold start properties, it ensures dependable engine performance in low temperatures.

## Storage Guidelines:

- Use approved above-ground tanks designed for biodiesel.
- Ensure proper labeling, ventilation, and fire protection measures.

- Regularly inspect tanks for leaks, cracks, and corrosion.
- Maintain storage temperatures between 0°C and 40°C.
- Keep free from contaminants and store separately from fossil diesel.
- Prohibit smoking or open flames in storage areas.

### **Shelf Life:**

- HVO Plant Diesel 100 typically has a stable shelf life when stored under proper conditions.
- Regularly check for any signs of degradation or contamination.
- Follow recommended storage guidelines to maximize shelf life.

### **Environmental Protection:**

- HVO Plant Diesel 100 is known for significantly reducing greenhouse gas emissions compared to fossil diesel.
- Adhere to proper storage and handling practices to prevent spills and minimize environmental impact.
- Have spill containment and response plans in place for emergency situations.

### **First Aid:**

- In case of skin contact, wash affected areas with soap and water.
- If ingested, seek medical attention immediately; do not induce vomiting.
- In case of inhalation, move to fresh air; if breathing difficulties persist, seek medical help.
- For eye contact, rinse eyes with water for at least 15 minutes; seek medical attention if irritation persists.

### **Specifications:**

HVO Plant Diesel 100 is a renewable diesel fuel produced through hydrotreating. It typically exhibits a higher cetane number, resulting in cleaner combustion and improved engine performance.

Specifications may vary, and it's recommended to refer to the product documentation or contact the manufacturer for detailed information.

## Contact Information

For any inquiries or further information, please contact our customer service at insert contact details here.

Markant Energy Norge AS  
 Contact No: +47 240 777 55  
 Email: [post@markantenergy.no](mailto:post@markantenergy.no)  
 Website: [www.markantenergy.no](http://www.markantenergy.no)  
 Location: Enebakkveien 133, 0680 Oslo, Norway

## HVO Anleggsdiesel 100 Sommer

Trait	Unit	Requirements (NS-EN15940)	Typical analysis data*
Cetane number	-	min. 70,0	>70,0
Density at 15°C	kg/m <sup>3</sup>	765,0 – 800,0	780
Aromatics (mass content)	%	max. 1,1	0,1
Sulfur content (mass content)	mg/kg	max. 5,0	< 5,0
Flash point	°C	min. 56,0	57,5
Viscosity at 40°C	mm <sup>2</sup> /s (cSt)	2,00 – 4,50	2,7
Distillation: temp at 95% distillate	°C	max. 360	298,4
Fog Point (CP): - summer - our autumn - winter	°C	max. 0 max. -15 max. -22	-12
Blocking point (CFPP): - Summer - our autumn - winter	°C	max. -11 max. -24 max. -32	-12

\*The information in "typical analysis data" does not necessarily constitute exact specification at this time, but indicates expected values. We reserve the right to make changes. This supersedes all previous editions and the information contained therein.

## Environmental Properties

Property	Unit	Value
CO2 equivalents, WTW*	kg/liter	≤ 1,14
CO2 reduction*	%	≥ 60
Renewable share	%	100

\*Expected values

## Energy content/Heating value

Parameter	Unit/kg	Unit/liter
Mega joule (MJ)*	44,0	34,3
Kilowatt-hours (kWh)*	12,32	9,52

\*Expected values