



ANTIFROZEN OIL – 25

Description

ANTIFROZEN OIL-25 is a liquid product, flow improver and pour point depressant for middle distillates. ANTIFROZEN OIL-25 D6 is soluble in aliphatic and aromatic solvents and insoluble in water.

Applications

ANTIFROZEN OIL-25 considerably improves the flow properties of middle distillates at low temperatures. ANTIFROZEN OIL-25 acts as a crystallization modifier for higher n-paraffins. It prevents the formation of a coherent network of paraffin wax crystals with the result that the cold filter plugging point (CFPP) and the pour point of the middle distillate are considerably reduced.

ANTIFROZEN OIL-25 is added to the middle distillates at addition rates of 200-5000 ppm. The actual injection rate depends on the composition of the middle distillate and is characterized by the cloud point, the boiling range, the type and amount of paraffins and other parameters.

ANTIFROZEN OIL-25 is added to the settling tank with fuel to ensure the homogenous dissolution of the material.

Below are some indicative tables with examples of trials added to the middle distillates.

Typical Examples

Origin	CP	PP	Injection rate (ppm)			
			500	1000	1500	2500
	°C	°C	Pour point values (°C)			
Mexico	+ 8	+ 3			-12	-18
Asia	- 9	- 9	-27	-30	-36	
North Sea	+10	+ 6	-12		-24	-27
North Africa	+ 5	0	-21	-27	-33	
North Sea	+15	+15		- 6	-12	

Origin	CP	CFPP	Injection rate (ppm)			
			250	500	1500	2500
	°C	°C	CFPP values (°C)			
North Sea	- 8	-11	-15	-17	-18	-20
North Sea	-15	-18	-23	-28	-30	-32
North Africa	- 1	- 2	- 3	- 5	- 9	-14
North Africa	- 7	- 9	-13	-17	-24	-28
USSR	- 4	- 5	- 7	-10	-18	-25

(CFPP : Cloud filter plugging point)

(CP : Cloud point)

(PP : Pour point)



The exact reduction of pour point and cloud filter plugging point and injection rate depends on the type and the quality of the fuel and could be performed by trials.

In a proportion of 1 liter in 2.500 liters diesel:

Decreases the pour point from: -9 °C to - 27 °C approximately.
Decreases the cloud filter plugging point from: - 5 C to - 10 °C approximately.

In a proportion of 1 liter in 1000 liters diesel:

Decreases the pour point from: -9 °C to - 30 °C approximately.
Decreases the cloud filter plugging point from: - 5 C to - 14 °C approximately.

In a proportion of 2 liters in 1000 liters diesel:

Decreases the pour point from: -9 °C to - 34 °C approximately.
Decreases the cloud filter plugging point from: - 5 °C to - 22 °C approximately

By increasing the dosage, the pour point and the filter plugging point are decreased.

Safety

The product contains petroleum distillates. Avoid contact with skin and eyes.