POLESTAR

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Polestar Worldwide General Trading LLC

Mixed Hydrocarbon Oils (MHO)

Mixed hydrocarbon oils (MHO), also known as blended hydrocarbon oils, are fuel products created by combining different sulphur contents of diesel fuel based on their applications. For instance, some formulations contain up to 2000 PPM (parts per million) of sulphur. This innovative approach not only aims to enhance performance but also addresses environmental concerns associated with traditional diesel fuels. The blending process results in a fuel that retains the energy density and combustion characteristics of diesel while reducing emissions.

The following are the typical technical specifications of MHO that Polestar Worldwide General Trading LLC exports,

Test	Method	Unit	Typical
Color	ASTMD 1500-R2017	-	L0.5-1.0
Sulphur Content	ASTMD4294-21	PPM	1000-2000
Flash Point	ASTMD 93a-20	°C	55-75
Density at 15 °C	ASTMD1298	Kg/L	0.82-0.84
Kinematic Viscosity at 40 °C	ASTMD 445	cST	2.26
Water Content	ASTMD-95	% VOL	<0.02
Micro Carbon residue at 10% Residue	ASTMD-4530	%Wt	0.018
Cetane Index	ASTMD-4737	-	53-54
Ash Content	ASTMD-482	% Mass	<0.01
Pour Point	ASTMD-97	°C	-15
IBP	ASTMD-86	°C	170
10% Recovery	ASTMD-86	°C	197
20% Recovery	ASTMD-86	°C	209
30% Recovery	ASTMD-86	°C	222
40% Recovery	ASTMD-86	°C	235
50% Recovery	ASTMD-86	°C	250
60% Recovery	ASTMD-86	°C	267
70% Recovery	ASTMD-86	°C	285
80% Recovery	ASTMD-86	°C	306
85% Recovery	ASTMD-86	°C	317
90% Recovery	ASTMD-86	°C	334
95% Recovery	ASTMD-86	°C	356
FBP	ASTMD-86	°C	374
Recovery	ASTMD-86	% Vol	99
Residue	ASTMD-86	% Vol	0.5
Loss	ASTMD-86	% Vol	0.5

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Applications

1. Mixed hydrocarbon oils are utilized across various sectors due to their versatility and compatibility with existing systems. Key applications include:
2. Transportation: MHO is widely used to power commercial and industrial vehicles, providing a reliable fuel source for trucks, buses, and heavy machinery.
3. Power Generation: MHO serves as an efficient fuel option for generators, particularly in remote locations where electricity is needed but grid access is limited.
4. Residential Heating: The oil is also used in heating applications, supplying energy for residential furnaces and boilers, aligning with regulations for cleaner heating solutions.

Benefits

1. Environmental Impact:
2. Fuel Stability and Performance Seamless
3. Integration Cost-Effectiveness

Conclusion

Mixed hydrocarbon oils represent a significant advancement in fuel technology, offering a balanced solution that meets energy demands while addressing environmental considerations.

COMMENTS

The specifications, as mentioned above, may vary depending on the origin and batch. For updated specifications related to your order, please don't hesitate to contact a sales representative at Polestar Worldwide General Trading LLC.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet ("SDS") contains essential environmental, health, and safety information concerning its handling and storage. The most current version of the SDS for this product can be obtained by contacting a representative of Polestar Worldwide General Trading LLC.

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