



SPECIAL ANTARTIC BLEND DIESEL

Supply Area: Hobart for supply to Antarctica

Product Code: 100001872 (SAB)

Application: Fuel for Diesel engines operating in Antarctic Conditions. Not for Aviation use.

Has exceptionally low freezing point to enable operation in temperatures up to -35

Satisfies the requirements of ISO 8217 of 2012 for DMA and ASTM D975 number 1D and 2D low sulphur diesel fuels.

TEST	UNIT	LIMIT	TYPICAL	METHOD
Appearance @ 20 °C		Clear and bright	Clear and bright	Visual
Appearance		1 max.	1	ASTM D4176 Proc 2
Colour		2 max	1	ASTM D1500
Density @ 15°C	kg/L	0.80 to 0.83	0.81	ASTM D4052
Cetane Index		40 min	44	ASTM D4737
Flash Point	°C	61.5 min	66	ASTM D93
Viscosity - kinematic @ 40°C	cSt	1.2 – 2.1	2.0	ASTM D445
Pour Point	°C	below-35	-38	ASTM D97
Carbon Residue on 10% bottoms - Ramsbottom or	% mass	0.2 max	0.01	ASTM D524
Ash	% mass	0.01 max	<0.001	ASTM D482
Water and Sediment	% vol	0.05 max	<0.01	ASTM D2709
Acid - total	mg KOH/g	0.5 max	<0.1	ASTM D974
- strong	mg KOH/g	Nil	Nil	ASTM D974
Sulphur-total	mg/kg	10 max	8	ASTM D4294
Copper Corrosion 3h @ 50°C		1 max	1	ASTM D130
Distillation 10% recovered	°C	216 max	210	ASTM D86
Distillation FBP	°C	288 max	280	ASTM D86
Lubricity wear scar diameter Note 1	mm	0.46 max	0.40	ASTM D6079
Oxidation Stability	mg/L	25 max	5	ASTM D2274
Conductivity	pS/m	50 min	100	ASTM D 2624
Energy per unit mass	MJ/kg		46.4	BS 2869
Energy per unit volume	MJ/L		37.6	
Filter blocking tendency		2.0 max	1.01	IP 387

Notes:

1. Contains a lubricity additive to meet specification.