

PHILLIPS 66 LIMITED / JET :- UK MARKETING SPECIFICATION

MARINE 0.1% SULPHUR GAS OIL TO BS 2869:2010 - PART 2: CLASS D AND ISO 8217:2010 GRADE DMA

PROPERTY & UNITS	LIMIT		TEST METHOD Note (1)
Appearance		Free from visible water and sediment	Visual
Colour		Red	Visual
Odour		Merchantable	
Density @ 15C (kg/m ³)	Typical Range	820.0 - 880.0	BS EN ISO 3675 / 12185
Cold Filter Plugging Point			BS EN 116
Winter C (Note 2)	Max	-12	
Summer C (Note 2)	Max	-4	
Cloud Point			ASTM D2500 / IP219
Winter C (Note 2)	Aim	-2	
Summer C (Note 2)	Aim	+3	
Flash Point (PMCC) C	Min	60	BS EN ISO 2719
Cetane Number / DCN or Cetane Index	Min	45.0 (Note 5)	BS EN ISO 5165 / BS 2000-498
	Min	45.0 (Note 5)	BS EN ISO 4264
Kinematic viscosity mm ² /s @ 40C	Min - max	2.00 - 5.00	BS EN ISO 3104
Sulphur content (% (m/m))	Max	0.10	BS EN ISO 8754
Copper Corrosion (3 Hr @ 50C)	Class	1	BS EN ISO 2160
Carbon Residue (micro) :- Residue wt% on 10% Bottoms	Max	0.30	BS EN ISO 10370
Ash content % (m/m)	Max	0.01	BS EN ISO 6245
Particulate content (mg/kg)	Max	24	IP 415
Water content (mg/kg)	Max	200	BS EN ISO 12937
Distillation C			BS EN ISO 3405
% Vol Rec @ 350C	Min	85	
% Vol Rec @ 250C	Max	65	
50% Vol Recovered (Note 3)	Range	240 - 340	
Strong Acid Number (mg KOH/g)		Zero	BS ISO 6618
Lubricity (wear scar dia, micron)	Max	460 (Note 6)	BS 2000 - 450
Oxygen Stability	Max	25	BS 2000-388
FAME content (%v/v)	Max	0.1% (Note 7)	BS EN 14078

Notes.

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| <p>1) Latest Test Methods or technical equivalent used</p> <p>2) Unless otherwise advised the following seasonal dates apply ex refinery / import terminal :-
 Summer : 16 March - 15 October
 Winter : 16 October - 15 March
 Winter : 01 November - 15 March inc for delivery from terminals
 Winter : 16 November - 15 March inc for delivery to end user</p> <p>3) 50% evaporated is an HMRC requirement</p> | <p>4) Product will be marked with HMR&C statutory marker</p> <p>5) May contain an ignition improver in which case
 (i) the carbon residue test is not valid and
 (ii) the cetane number minimum will apply.</p> <p>6) This test is only required for fuels with a sulphur content < 500 mg/kg.</p> <p>7) No FAME will be blended into this product and the 0.1% maximum is a recommended level only.</p> |
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THIS SPECIFICATION IS ACCURATE AT THE DATE OF ISSUE, AND SUPERSEDES ALL PREVIOUS ISSUES.