

PHILLIPS 66 LIMITED / JET :- UK MARKETING SPECIFICATION

0.1% SULPHUR (MAXIMUM 1,000 PPM) GAS OIL TO BS 2869:2010-PART 2: CLASS D

PROPERTY & UNITS	LIMIT		TEST METHOD Note (1)
Appearance		Free from visible water and sediment	Visual
Colour		Red	Visual
Odour		Merchantable	
Density @ 15C (kg/m3)	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	56	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	1.50 - 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
Oxidation stability			
0.0% - 7.0% FAME g/m ³ (Note 7)	Max	25	BS 2000-388
2.0% - 7.0% FAME h	Min	20	BS EN 15751
FAME content (%v/v) (Note 8)	Max	7.0	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 or import terminal:-
 Summer : 16 March - 15 October inc
 Winter : 16 October - 15 March inc
 Winter : 01 November - 15 March inc for delivery from terminals</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) This test applies to all fuels, additional Rancimat only applies to those fuels containing > 2.00% FAME</p> <p>8) FAME must meet BS EN 14214</p> |
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THIS SPECIFICATION IS ACCURATE AT THE DATE OF ISSUE, AND SUPERSEDES ALL PREVIOUS ISSUES.