

TOPAZ ENERGY LTD - PRODUCT SUPPLY SPECIFICATION

HEAVY FUEL OIL SULPHUR 1%

SAP No: 40003229
FSIA (PSS) No: 55742

BS 2869 – 1998 Class G			All Year	Spec Ref Method	IP / ASTM D Equiv. Method	note
Applicable period:-						
Kinematic Viscosity @ 100°C	mm ² /s	max	30.0 - 40.0	BS EN ISO 3104	IP 71/ D 445	
Flash Point	°C	min	68.0	BS EN 22719	IP 34 / D 93	(a) (b)
Sulfur Content	%mm	max	1.0	BS EN ISO 8754	IP 336	
Water Content	%v/v	max	1.0	BS EN ISO 3733 ¹	IP 74	
Ash Content	%mm	max	0.08	BS EN ISO 6245	IP 4 / D 482	
Carbon Residue	%mm	max	18.0	BS EN ISO 10370	IP 398 / D 4530	
Sediment Existing HFT Accelerated HFT	%mm	max	0.10	BS 2000-375	IP 375	IP 390 2b, SMS 2696
	%mm	max	0.10	---		
Strong Acid No:	mg/koh/g		nil	BS 2000-139	IP 139	
Density at 15°C	kg/m ³	max	1005.0	---	IP160, 365	
Odour			Marketable	---		(c)
Pour Point	°C	max	30	---	D 97	
Hydrogen Sulphide	mg/kg	max	2	---	IP PM -BJ	
Asphaltenes	%mm	min	0.5	---	IP 143	(b)
Sodium (as a metal)	mg/kg	max	150	---	D1318, SMS1650	
Aluminium	mg/kg		report			(d)
Vanadium (metal)	mg/kg	max	300			

¹ Until BS EN ISO 3733 is published, test shall conform to IP 74/82

Tests in italics are not part of the above BS 2869 specification but are additional requirements by SUK OP.

- (a) Flash Point min 68°C on production, min 66°C ex secondary distribution locations.
- (b) Asphaltenes of 0.1% m is permitted provided Flash Point does not exceed 150°C. If Flash Point exceeds 150°C Asphaltenes content must not exceed 0.5% m.
- (c) Odour test to be carried out at a minimum temperature of 40°C.
- (d) Aluminium content to be determined and reported if Ash content of any batch exceeds 0.03%