



## SPECIFICATION FOR SUPER DIESEL (P-016)

Property/Test	Test	Method	Specifications
	IP	ASTM-D	
Appearance			Clear & free from water and impurities
Density @15 0 C kg/m 3	160	1298	820 - Max 870
Colour ASTM	196	1500	Report
Marketing Colour			Amber
Distillation	123	86	
IBP o C			Report (196 - 204 )
10% Evaporated 0 C			Report (245 - 245)
50% Evaporated 0 C			Report (288 - 294)
90% Evaporated 0 C			Max 340
Recovery @ 315 0 C			Min 50
Recovery @ 350 0 C			Min 80
Cetane Index or		976	Min 50 **
Cetane Number		613	Min 53
Cloud Point 0 C ( 0 F)		2500	Max 15.5 (Max 60)
CFPP 0 C ( 0 F)	309		Max 10 (Max 15)
Sulphur Content % (w/w)	61	129 or 1552	Max 0.05
Total Aromatic content			25
Poly Aromatic content ( di+tri+)%m/m			5
Flash Point (PMCC) 0 C ( 0 F)	34	93	Min 60 (Min 140)
Viscosity Kin @37.8 0 C cst	71	445	1.5 -5.0
Water Content % (v/v)	74	95	Max 0.005
Cu Strip corrosion 3 hrs @ 50 0 C	154	130	Max 1
Ash % w/w	4	482	Max 0.02
Carbon residue Ramsbottom			
on 10% residue % (w/w)	14	524	Max 0.3
Sediment by extraction % (w/w)	53	473	Max 0.01
Total Acid No. KOH mg /g	1	974	Max 0.08
Strong Acid No. KOH mg /g	1	947	Nil
Caloric value gross K Cal/KG	12	240	Min 10500
**N/A if any cetane improver additive is present			

Note 1: Naptha should be preferably straight run but, hydrotreated,cracked material may be included up to 10% vol provided all points of specifications are met. Alternatively an agreed Gas liquid Chromotographic