



SPECIFICATIONS FOR AUTOMOTIVE GAS OIL (AGO)

Approved Specifications

S/N	CHARACTERISTICS	REQUIREMENT	TEST METHOD ASTM	ACTUAL
1	Appearance	Clear and Bright	Visual	
2	Colour ASTM (max.)	2.0 – 3.0	ASTM D1500	
3	Specific Gravity at 15/15 ⁰ C	0.860 – 0.8730	ASTM D4052	
4	Acidity (Inorganic acid)	Nil	ASTM D664	
5	Total Acid Number mgKOH/g, (max)	0.50	ASTM D664	
6	Distillation a. Percentage recovery at 357 ⁰ C v/v (min) b. Final boiling Point, ⁰ C (max)	90 385	ASTM D88	
7	Flash Point, ⁰ C (min)	66	ASTM D93(a)	
8	Kinematic Viscosity at 37.8 ⁰ C (cSt)	1.6 – 5.5	ASTM D445	
9	Cloud Point, ⁰ C (max)	4.4	ASTM D2500	
10	Conradson Carbon Residue on 10% residue, % wt. (max)	0.15	ASTM D4530	
11	Ash, % wt (max)	0.01	ASTM D482	
12	Copper Strip Corrosion 3h at 100 ⁰ C	Not worse than No.1	ASTM D130	
13	Sediment, % wt (max.)	0.01	ASTM D473	
14	Total Sulphur, % wt (max)	0.3	ASTM D2622	
15	Water Content, % Vol. (max)	0.05	ASTM D95	
16	Diesel Index, (min)	47	ASTM D976	