



Title: Specification for AUTOMOTIVE GAS OIL

N°	CHARACTERISTICS	REQUIREMENTS	TEST METHOD
1	Density at 15°C,kg/m3,Max	820-850	ASTM D4052
2	Distillation :Evaporation at 350 OC,% by Volume,Min	85	ASTM D86
3	Colour,max	2.0	ASTM D1500
4	Flash Point (Pensky Martens) ,OC,min	55	ASTM D93
5	Kinematic viscosity,40°C,cSt	2.0-4.5	ASTM D445
6	Carbone Residue on 10% vol.Distillation Residue,% by mass,Max	0.30	ASTM D189
7	Water content		
	% by volume max	0.02	ASTM D6304
	Mg/kg by mass max	200	
8	Ignition quality :cetane index,Min	50.0	ASTM D976
9	Total acid number,mgKOH,Max	0.25	ASTM D664
10	Ash content ,% mass,Max	0.01	ASTM D482
11	Total sulphur ,mg/kg,Max	50.0	ASTM D5453
12	Copper corrosion ,3h at 100 OC Max	1b	ASTM D130
13	Water and sediment ,% Vol ,Max	0.05	ASTM D2709
14	Particulate contamination ,size distribution	18/16/13	ASTM D7619
15	Particulate matter ,mg/l ,max	24.0	ASTM D6217
16	Fatty acid methyl ester (FAME),%Vol,Max	5.0	ASTM D7371
17	Lubricity at 60°C (corrected wear scar diameter).micron ,max	460	ASTM D6070
18	Oxidation stability ,g/m3,Max	25	ASTM D2274