

Specifications & Typical Analyses



Drilling and Completion Product

Product Code



ISO 9001:2008

CGSB

94733

Cutter Stock "D"

397

Description

Cutter D is a base oil used in the manufacturing of invert that is used in the oil and gas drilling industry.

Property	ASTM NO.	Specification*		Typical Analyses
		Min.	Max.	
Density @ 15°C, kg/L	D 4052	0.8800	0.9000	0.8887
Distillation, °C	D 86	—	—	
I.B.P.		235	—	263
5%		—	—	274
10%		—	—	282
50%		—	—	301
90%		—	—	334
95%		—	—	342
E.P.		—	390	252
Recovery, %		—	—	95.5
Residue, %		—	—	4.0
Loss, %		—	—	0.5
Kinematic Viscosity @ 21°C, mm ² /s	D 7042	—	—	12.4
Kinematic Viscosity @ 40°C, mm ² /s	D 7042	—	—	6.48
Kinematic Viscosity @ 60°C, mm ² /s	D 7042	—	—	3.84
Flash Point (PMCC), °C	D 93	93	—	119
Aniline Point, °C	D 611	—	—	62
Pour Point, °C	D 97	—	-45	<-48
Cloud Point, °C	D 2500	—	-30	<-21
Sulfur, %	D 4294	—	—	1.49
MCRT on 10 % Distillation Residue, %	D 4530	—	—	0.02
Ash Content	D482	—	—	<0.01
BS&W, %	D1796/D96/D4007	—	—	<0.10
BTEX (w/w)				
Benzene		—	—	trace
Toluene		—	—	trace
Ethylbenzene		—	—	0.0001
Xylene		—	—	0.0001

Metals (D5185), Bromine number (D1159) available upon request.