



## Product Description

Carcal Multimax 20W-50 is high performance gasoline / diesel engine oil that provides proven engine protection of engines operating in severe service applications. Carcal Multimax 20W-50 engine oil is recommended by Atom Chemicals UK for use in a wide range of Multi duty applications and operating environments found in the light vehicles, trucking, construction, and agricultural industries.

## Features and Benefits

The key benefits of Carcal Multimax 20W-50 API: SG/CD include:

- Enhanced protection for two and four cycle engines in the most demanding on and off-highway service prolonged engine life
- Outstanding control of high temperature deposits Excellent soot control
- Reduced engine scuffing and bore polishing due to enhanced high temperature/high shear viscosity retention Improved low temperature sludge control in stop and-go service
- Easy starting in cold weather conditions
- Extended TBN quality reserve for long term wear and deposit control Reduced oil consumption due to improved high temperature performance

## Applications

Carcal Multimax 20W-50 is recommended by Atom Chemicals UK for use in the most severe applications of modern on- and off-highway gasoline/diesel engines. It extends engine life between overhauls in high speed/high load operations and in pickup/delivery operation modes in both two-cycle and four-cycle engines. Applications include:

- Gasoline / Diesel-powered equipment from leading gasoline /diesel engine manufacturers On-highway light and heavy-duty trucking
- Off-highway industries including: trucking, construction, quarrying, and agriculture
- Mixed fleets

## Specifications and Approvals

Carcal Multimax 20W-50 SG/CD is recommended by Atom Chemicals UK for use in applications requiring:	
API SG/CD.	Packing: 208L , 4L , 3L

**Typical Properties**

Carcal Multimax 20W-50 SG/CD	Method	Unit	
SAE Grade			20W-50
Viscosity @ 40°C	ASTM D 445	cSt	148.9
Viscosity @ 100°C	ASTM D 445	cSt	19.6
CCS Viscosity @ -15°C	ASTM D 5293	cP	8990
MRV @ -20°C	ASTM D 4684	cP	55600
HTHS @ 150°C	ASTM D 4683	mPa-s	3.74
Total Base Number (TBN)	ASTM D 2896	mg KOH/g	10.73
Sulphated Ash	ASTM D 874	wt%	0.8
Viscosity Index	ASTM D 2270		125
Foam Seq. I (Tend. / Stab.)	ASTM D 892	ml/ml	10/0
Foam Seq. II (Tend. / Stab.)	ASTM D 892	ml/ml	50/0
Pour Point	ASTM D 97	°C	-25
Flash Point	ASTM D 92	°C	245
Zinc	ASTM D 4951	wt%	0.141
Phosphorus	ASTM D 4951	wt%	0.128