



ASTAR extra SAE 20W-60 SF/CD

PERFORMANCE LEVELS: Meets and Exceeds

MIL-L-46152D, CCMC G1/G2/D1, MB 226.1

Our most economical premium multi-grade engine oil for old petrol engines or industrial applications. Danzol **ASTAR extra** engine oil contains 100% Virgin base stock formulated with the additives and blended using latest technology; Suitable for commercial or personal on-road petrol engines or as recommended by the OEM.

Typical properties:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES
SAE VISCOSITY GRADE		ASTM	20W-60
APPEARANCE	NA	VISUAL	B&C
COLOR	NA	ASTM D-1500	3
DENSITY @29.5°C	g/mL	ASTM D-4052	0.8850
KINEMATIC VISCOSITY @100°C	cSt	ASTM D-445	22.5
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	Report
VISCOSITY INDEX	NA	ASTM D-2270	118
CORRECTED FLASH POINT	°C	ASTM D-92	236
HOMOGENEITY/MISCIBILITY	NA	ASTM D-6922	Pass
ACCEPTABLE ODOR	NA	VISUAL	Agreeable
POUR POINT	°C	ASTM D-97	-24
TOTAL BASE NO. (TBN)	mg KOH/g	ASTM D-2896	4.5

Advantages:

- Resists breakdown at high temperatures.
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Improved low temperature sludge control in frequent stop-and-go service.

Applications:

- Petrol engine oil for older engines designed for use with mono-grades SAE 20W-60, SF oils.
- Industries including: trucking, construction, quarrying, and agriculture or as recommended by the manufacture.