



ASTAR zoom SAE 15W-50 SJ/CF

PERFORMANCE LEVELS: Meets and Exceeds

ACEA A3/B3, MIL-L-2104A, MB 229.1, VOLVO VDS, MAN 271

Premium multi-grade engine oil for petrol engines including industrial applications; specially formulated for hot countries where high-temperature demands for high viscosity engine oil. Danzol **ASTAR zoom** engine oil contains 100% Virgin base stock formulated with the multiple 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	15W-50
APPEARANCE	NA	VISUAL	B&C
COLOR	NA	ASTM D-1500	2.5
DENSITY @29.5°C	g/mL	ASTM D-4052	0.8800
KINEMATIC VISCOSITY @100°C	cSt	ASTM D-445	17.5
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	Report
VISCOSITY INDEX	NA	ASTM D-2270	130
CORRECTED FLASH POINT	°C	ASTM D-92	250
HOMOGENEITY/MISCIBILITY	NA	ASTM D--6922	Pass
ACCEPTABLE ODOR	NA	VISUAL	Agreeable
POUR POINT	°C	ASTM D97	-27
TOTAL BASE NO. (TBN)	mg KOH/g	ASTM D-2896	9.2

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.
- Excellent viscosity stability in operations.

Applications:

- Premium petrol and diesel engine oil for older engines designed for use with Multi-grade 15W-50, SJ oils.
- Industries including: trucking, construction, quarrying, and agriculture or as recommended by the manufacture.
- Suited for extended drain intervals.