



Formerly Known As: CAO460NSB-D

Shell Caster Air Oil 460

High Performance Hydraulic Fluid

Shell Caster Air Oil 460 is a premium industrial gear oil that provides high film strength and load carrying capability to protect bearings and gear teeth from surface distress and premature failure. The additive package allows this product to be thermally stable thereby enabling a long service life. The product was designed to provide excellent demulsibility. Caster Air Oil 460 was developed specifically to provide the enhanced demulsibility required in this application.

DESIGNED TO MEET CHALLENGES

Typical Physical Characteristics

Properties			Method	Shell Caster Air Oil 460
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	440.0
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	30.0
Viscosity Index			ISO 2909	96
Flash Point		°C	ASTM D92	290
Density	@15°C	kg/m ³	ASTM D4052	900
Pour Point		°C	ASTM D97	-12
Copper Corrosion			ASTM D130	1a
Water Separability		minutes	ASTM D1401	15
Weld Point		kgf	ASTM D2783	315
Load Wear Index		kgf	ASTM D2783	45.9

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

• Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com/>

• Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

• Advice

Advice on applications not covered here may be obtained from your Shell representative.