

Industrial Oils



Product Data Sheet

PETROGULF CUTTING OIL

PetroGulf Cutting Oil is a premium general purpose emulsifying metalworking lubricant that provides excellent cooling and lubricity in a wide range of machining operations where heat dissipation is critical. It is formulated to provide high-quality base oil, select emulsifiers, and coupling agents to promote the formation of exceptionally stable, non-foaming, homogeneous emulsions in both soft and hard water. It can be used for the machining of many ferrous and nonferrous metals for which an emulsifiable oil is preferred, particularly when cutting with carbon, high speed steel or tungsten carbide tip toolings.

FEATURES AND BENEFITS

- Extends tool life & flushes chips from the work area
- Dissipates heat from the cutting zone
- Reduces friction and the chip tool interface
- Protects work and machine from rust and corrosion
- Provides superior dimensional accuracy and surface finish
- It is chlorine-free thereby reducing environmental concerns associated with storage disposal.

TYPICAL PROPERTIES

PetroGulf Cutting Oil	ASTM Method	Value
Specific Gravity, 15°C	Calculated	0.890
Viscosity		
cSt, @ 40°C	ASTM D-445	48.0
cSt, @ 100°C	ASTM D-445	7.1
Viscosity Index	ASTM D-2270	100
Total Base No., mg KOH/gm		8.0
Flash Point, COC °C	ASTM D-92	200
Pour Point, °C	ASTM D-5949	-3
Emulsion	Calculated	1-ml cup

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

HANDLING, HEALTH AND SAFETY

- Lubricants under normal conditions of use, presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off used oil correctly; don't pour down drains, into water courses or the soil.
- Take used oil to an authorized collection point.
- PetroGulf will not accept any liability if the product is used other than in manner or with the precautions for the purpose specified, and hence advice should be obtained from PetroGulf's local office.

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