



CHEMPOL 8012

Diesel Engine Oil Additive

PRODUCT DESCRIPTION

CHEMPOL 8012 is a performance additive package for formulating premium quality diesel engine oils. Used at the recommended treat rate in combination with approved base stocks and viscosity modifier, CHEMPOL 8012 provides engine oils meeting the API performance category CI-4, CH-4, CF-4/SL and ACEA E7 specifications. Lubricants formulated with CHEMPOL 8012 can also be used in gasoline engines requiring API SL category products. Claims are base stock and viscosity grade specific – for more information; contact your local CHEMPOL Representative.

DOSAGE RECOMMENDED (WT%)

Performance level	Dosage (Wt%)	
	15W-40, 20W-50	10W-30, 10W-40
API CI-4 ACEA E7	8.8	9.6
CH-4	8.0	8.6
CF-4/SL	5.8	6.2

TYPICAL CHARACTERISTICS

PROPERTY	SPECIFICATION	TEST METHOD
Appearance	Red brownish clear liquid	Visual
Density (20°C) , kg/m ³	950-1050	ASTM D7042
Flash point (COC), °C	≥180	ASTM D92
Kinematic Viscosity (100°C), mm ² /s	100-130	ASTM D7042
Calcium, %(m/m)	3.5-3.8	ASTM D4951
Zinc, %(m/m)	1.41-1.58	ASTM D4951
Phosphorus, %(m/m)	1.35-1.50	ASTM D4951
Boron, %(m/m)	0.09-0.100	ASTM D4951
Molybdenum, %(m/m)	0.06-0.08	ASTM D4951
TBN, mg KOH/g	115-125	ASTM D2896

PACKING, STORAGE AND TRANSPORTATION

Please observe the US DOT standard and the MSDS of this product when storing, shipping, handling and using this product. It is nonflammable, non-explosive and non-corrosive. The highest storage temperature shall not exceed 75°C. For long term storage, the highest temperature shall not more than 45°C. For product details of safety, health and environmental precautions, please refer to the MSDS of this product.