



**CHEMPOL**  
ADDITIVES & CHEMICAL SPECIALITY

## CHEMPOL 9018M Two Package Marine Additive

### TPMAS benefits:

#### A) Only two packages to blend all Marine Lubricants.

- a) CHEMPOL 9424M
- b) CHEMPOL 9012MM

#### B) Complete line of Marine Engine Lubricants Blended from these two packages

- a) System Oil (SO)
- b) Trunk Piston Engine Oil (TPEO)
- c) Marine Cylinder Lubricants (MCL)

Marine Lubricants Type	SO			TPEO					MCL			
	5	6	7	10	12	20	30	40	50	70	80	100
Total Base Number	5	6	7	10	12	20	30	40	50	70	80	100
Chempol 9424M %wt	3.2	3.2	3.45	6.3	6.3	6.3	6.3	6.3	-	-	-	-
Chempol 9012M %wt	-	0.4	0.6	-	0.8	3.95	7.9	11.8	20	27.8	31.6	39.5
Total %wt	3.2	3.6	4.05	6.3	7.1	10.25	14.2	18.1	20	27.8	31.6	39.5

#### C) Proven Performance In :

- a) Several Base Stocks
  - Both solvent refined and hydrocracked.
  - Middle East base stocks.
- b) Different Engines Services
  - Power Plants.
  - Vessels, Car carriers, Crude Oil Tankers.
  - Wide range of marine makes and models.

#### D) Four-Stroke Engines

- TPEO
- a) Lubricates both the cylinder and the crankcase.
- b) Cleaning and cooling down parts, minimize deposit formation, neutralization of acidic by-products, protection against wear,...
- c) Total base Number (TBN) from 10 to 40 mg KOH/g.