

PHOSPHOLIDIN MULTIFUNCTIONAL ADDITIVE FOR PETROLEUM PRODUCTS



Specification

Phospholidin is a greasy dark brown substance with a fluidity temperature of 27–29 °C; soluble in hydrocarbons; its acid index does not exceed 25 mg KOH · g⁻¹

Advantages

The additive enhances anti-wear (by 50%) and anti-seize properties (2.1–2.4 times) of greases and lubricants and improves their toxicological, environmental, and anti-oxidative parameters as well as protection of cast iron, steel, and copper from corrosion. It is 2–6 times cheaper than the domestic DF-1dialkyl dithiophosphate additive

Areas of Application

Active multifunctional additive to anti-friction greases, motor oils, and refrigerating lubricants for rolling or sliding bearings and other friction nodes operating under high temperature and corrosive environment

IPR Protection

IPR3

Stage of Development.

Suggestions for Commercialization

IRL5, TRL6

The additive is manufactured and tested at customer's site; support in the design works and production organization is provided upon request

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