

# ZINC DIOCTYL PRIMARY ALKYL DITHIOPHOSPHATE T203

## ●Introduction

T203 is zinc dioctyl primary alkyl dithiophosphate (ZDDP). This product features excellent oxidation resistance, corrosion resistance, anti-wear, extreme pressure properties, particular high thermal stability, favorable oil solubility, additive compatibility, and resistance to emulsification. It can be compounded with sulfonate detergents and dispersants to apply in high-grade diesel engine oils, or compounded with other additives to apply in anti-wear hydraulic oils. The treat rate is 0.5%-3.0%.

## ●Specifications

| Item                                            | Typical Value                            | Test Method |
|-------------------------------------------------|------------------------------------------|-------------|
| Appearance                                      | Light Yellow to Amber Transparent Liquid | Visual      |
| Color Number                                    | 0.75                                     | GB/T 6540   |
| Flash Point (COC), °C                           | 200                                      | GB/T 3536   |
| Kinematic Viscosity (100°C), mm <sup>2</sup> /s | 21.16                                    | GB/T 265    |
| Density (20°C), kg/m <sup>3</sup>               | 1114.5                                   | GB/T 2540   |
| Sulfur, wt%                                     | 15.88                                    | SH/T 0303   |
| Phosphorus, wt%                                 | 7.75                                     | SH/T 0296   |
| Zinc, wt%                                       | 9.18                                     | SH/T 0226   |
| PH Value                                        | 6.00                                     | SH/T 0394   |
| Water, wt%                                      | 0.03                                     | GB/T 260    |

## ●Package, Handle & Storage

- Packed in 200L metal drum, IBC-Tank or made to order.
- Long term storage temperature should not exceed 45°C.
- Handle & blending temperature should not exceed 65°C.
- Not dangerous chemical, store in dry & clean warehouse.