



**CHEMPOL**  
ADDITIVES & CHEMICAL SPECIALITY

# CHEMPOL 8108L

## API CK-4 & ACEA E11 DEO ADDITIVE PACKAGE

(Delivers Advanced Protection for Modern Diesel Engines)

### DESCRIPTION:

**CHEMPOL 8108L** 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 modifiers, **CHEMPOL 8108L** provides engine oils meeting **API CK-4/SN & ACEA E11-24** and corresponding OEM Specifications.

**CHEMPOL 8108L** is designed for the production of diesel engine oils used in modern, high-powered diesel engines operating under heavy conditions with extended drain intervals. These engines are equipped with gas after treatment systems, such as **DPF, TWC, EGR & SCR** Systems for reducing NOx Emissions. **CHEMPOL 8108L** ensures high thermal oxidative stability and is recommended for Euro VI engines.



### DOSAGE RECOMMENDED (WT%):

| Performance level         | SAE Viscosity Grade                | Dosage, % (m/m) |
|---------------------------|------------------------------------|-----------------|
| CK-4/SN-ACEA E11, E9, E7  | SAE 15W-40, SAE 10W-30, SAE 10W-40 | 9.5             |
| CJ-4/SN- ACEA E11, E9, E7 | SAE 15W-40, SAE 10W-30, SAE 10W-40 | 9.2             |

### KEY PERFORMANCE BENEFITS:

- Meets API CK-4/SN and ACEA E11-24 specifications.
- Compatible with advanced emission systems (DPF, EGR, SCR, TWC)
- Recommended for extended oil drain intervals.
- Designed for use in Euro VI-compliant diesel engines.

### SPECIFICATIONS:

**MB 228.31(DTFR 15C100), VOLVO VDS 4 & 4.5, CUMMINS 20086/87/81, DETROIT DIESEL DFS 93K222, MAN 3775/3275/3575 RENAULT RLD-3, MTU TYPE 2.1, CAT ECF-3, DUETZ DQC III-18LA, MACK EOS-4.5, ALLISON TES-439, JASO DH-2, FORD WSS-M2C171-F1**

\*Oem specs are viscosity grade specific , consult chempol representative for more information\*

### PRODUCT CHARACTERISTICS:

| ITEM                                                      | SPECIFICATION             | TYPICAL                   |
|-----------------------------------------------------------|---------------------------|---------------------------|
| Appearance, Visual                                        | Brownish red clear liquid | Brownish red clear liquid |
| Density (15°C ), kg/m <sup>3</sup> ,ASTM D4052            | 950-1050                  | 970                       |
| Flash point (COC), °C , ASTM D92                          | ≥180                      | 200                       |
| Kinematic Viscosity (100°C) mm <sup>2</sup> /s, ASTM D445 | 100-250                   | 120                       |
| Ca Content, m% , ASTM D5185                               | 2.00 - 2.30               | 2.10                      |
| Zn Content, m% , ASTM D5185                               | 1.22 – 1.40               | 1.31                      |
| P Content, m%, ASTM D5185                                 | 1.10 - 1.26               | 1.18                      |
| B Content, m% , ASTM D5185                                | 0.06 – 0.10               | 0.08                      |
| Mo Content, m%, ASTM D5185                                | 0.08 – 0.12               | 0.10                      |
| N Content, m% , ASTM D5291                                | 1.10-1.40                 | 1.20                      |
| TBN, mg KOH/g, ASTM D2896                                 | 100 - 112                 | 106                       |
| Sulphated Ash, m%, ASTM D874                              | 8.8 – 10.2                | 9.8                       |

### HANDLING INFORMATION:

- **Max Handling Temp:** 75°C
- **Shelf Life:** Refer to MSDS for specific details
- **Packing Options:** 200 KG drums, 1000 KG IBCs, and bulk ISO tanks
- **Recommended Long-Term Storage Temp:** ≤45°C
- **Storage & Safety:** Nonflammable, non-explosive, non-corrosive. Follow all guidelines in the product MSDS for safe handling and environmental precautions.