



DESCRIPTION

SYNECO VD IV is a lubricant designed to meet the needs of modern heavy duty diesel engines with integrated exhaust gas recirculation systems (EGR) and particulate filters (DPF or SCR).

The ever more restrictive changes to environmental laws have made the use of exhaust gas post-treatment systems a must. Since a lubricant's formulation affects the composition of exhaust gas, and therefore the percentage of particulate and unburned compounds it contains, it is necessary to design oils that reduce the formation of unburned substances as much as possible, while, at the same time, guaranteeing engine protection.

PROPERTIES

SYNECO VD IV is a synthetic lubricant that meets the severest SHPD product specifications. It meets **ACEA E9** requirements and is especially recommended for vehicles equipped with post-treatment systems that use low-sulphur diesel fuel (mandatory since 2010). **SYNECO VD IV** is formulated with particularly refined bases and features an additivation package that guarantees a lower ash content than **SYNECO VD III**. The latter, though meeting SHPD product requirements, is, in fact, an **ACEA E7** lubricant. Volatility parameters have been improved, consistent with Volvo manufacturing requirements, which demand more highly-refined bases to achieve certification. The use of such bases also guarantees viscosity stability at different operating temperatures and longer life of the lubricant.

LEVELS AND SPECIFICATIONS

API CI-4 PLUS		API CH/I/J-4	API SN/SM
Mack EO-O Premium Plus		DDC 93K218	CAT ECF-2/3
CAT ECF-1-A	ACEA E9-08	ACEA E7-04	MB 228.31
MAN M3575	MTU TYPE 2.1	VOLVO VDS-4	VOLVO VDS-3
TRUCK RLD-3	DEUTZ DQC III-10 LA	MACK EO-O PP-07	Cummins CES 20081

TECHNICAL CHARACTERISTICS

CHARACTERISTIC	U.M.	VALUE	METHOD
Viscosity at 40 °C	cSt	100-115	ASTM D 445
Viscosity at 100 °C	cSt	12.5-16.3	ASTM D 445
Viscosity index		135-145	ASTM D2270

January 30, 2014