

QUANTUM® PRIMUS EXTRA SHPD 20W50

- Description:** Multigrade engine oil formulated with a special selection of high quality and carefully balanced blend of solvent refined and hydrotreated base stocks and a modern high performance additive package. It is designated for the lubrication of heavy duty diesel engines naturally aspirated or turbocharged operated under medium to heavy duty driving conditions. This engine oil has the following properties:
- Extended service life
 - Control over soot accumulation in oil
 - Very good detergent/dispersant properties, ensuring the highest possible cleanliness of the engines
 - Superior oxidation stability preventing oil thickening and viscosity changes during high temperature and high load service operations
 - Dependable protection against wear, corrosion and deposit formation
 - Stable and steady lubricating film in a wide temperature range and severe loads
 - Excellent detergent/dispersant properties for maximum piston and engine cleanliness

Application: Recommended for diesel engines used in international haulage, commercial vehicles and buses (engaged in urban and interurban services) and in off-high way equipment and machines in marine, mining and construction industry, farming, etc. with predominantly normal or extended drain intervals according to the manufacturers recommendations and depending on the technical conditions of the engine. Meets and exceeds the lubrication demands of heavy duty diesel engine manufacturers Euro I to Euro V, required ACEA E7 oils.

Performance Level: ACEA E7, API CH-4/SJ,
MB 228.3,
MAN M 3275-1,
Caterpillar ECF-1-a

Typicals:	Density at 20°C, g/ml	EN ISO 3675	0.886
	Kinematic Viscosity at 100°C, mm ² /s	EN ISO 3104	19.2
	Kinematic Viscosity at 40°C, mm ² /s	EN ISO 3104	169
	Viscosity Index	ISO 2909	130
	Flash point COC, °C	EN ISO 2592	236
	Pour point, °C	ISO 3016	-30
	TBN (HClO ₄), mg KOH/g	ASTM D 2896	9.5
	Sulfated Ash, %	EN ISO 3987	1.3

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application. For more information about product MSDS, terms and conditions for storage and shelf life please visit: www.quantum-oils.com