

CHAMPION **ECO FLOW** 5W30 ULTRA

This is a full synthetic lubricant based on carefully selected very high quality base oils. This ultra high performance diesel (UHPD) engine oil, meets the highest performance standards for heavy trucks. Because of its synthetic composition, it has a particularly high viscosity index and provides optimum protection against wear and ageing.

APPLICATIONS

It is intended for truck fleet operators, seeking the best available lubricating oil technology, to meet the increasingly stringent exhaust limits imposed on diesel engines in Europe. Because of the very high detergency, this oil is not suitable for gasoline engines and vehicles equipped with particulate filters.

FEATURES

Total engine protection: outstanding engine cleanliness and durability

Cold start: excellent fluidity at low temperature

Drain interval extension: very long oil drain interval

PERFORMANCE

ACEA	E4	IVECO	18-1804 Classe TFE
ACEA	E7	MACK	approval EO-N
API	CF-4	MAN	approval M3277
API	CG-4	MB	228.3
API	CH-4	MB	approval 228.5
API	CI-4	MTU	Oil Category 3
CUMMINS	CES 20077	RENAULT	approval RLD-2
DAF	EXTENDED DRAIN	RENAULT	RLD
DAIMLER TRUCK	DTFR 15B110	RENAULT	RXD
DAIMLER TRUCK	DTFR 15B120	SCANIA	approval LDF-3
DEUTZ	DQC-IV-10	VOLVO	approval VDS-3

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.861
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	73.2
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	12.2
Viscosity index	ASTM D2270		165
B.N. [HClO4 method]	ASTM D2896	mg KOH/g	15.4
Pour point	ASTM D6892	°C	-45
CCS viscosity at -30°C	ASTM D5293	mPa.s	6050
Sulfated Ash	ASTM D874	Mass %	1.8
Flash Point COC	ASTM D92	°C	225

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

CHAMPION CHEMICALS NV

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