

# Product Information



## BARIUM ULTRA HD Engine Oil according to API CF

### Description

BARIUM ULTRA HD engine oil is formulated to provide superior lubrication for both diesel and gasoline engines operating under heavy-duty service.

BARIUM ULTRA HD meets the requirements of most diesel and gasoline engine manufacturers.

BARIUM ULTRA HD meets or exceeds the requirements of:

- API CF
- ACEA E1-96
- ALLISON C-4
- MIL-L-2104D
- CAT TO-2
- MB 227.0

### Application

BARIUM ULTRA HD is formulated from highly refined base stocks and selected additives to meet or exceed the service requirements for motor oils, for both on and off highway use.

BARIUM ULTRA HD is recommended for use in diesel engines and automotive gasoline engines operating under either light or heavy-duty service. This oil is especially recommended for use in turbocharged diesel engines.

The use of BARIUM ULTRA HD will allow operators of more than one make of equipment to stock one lubricating oil, which will satisfy the warranty requirements of most engine manufacturers. Its high and stable Base Number of 12 provides excellent protection against formation of corrosive acids from high sulphur fuels.

### Product Characteristics\*

Properties	Units	Value					Test Method
SAE Grade		10W	20W/20	30	40	50	DIN 51 511
Density @ 35 °C	kg/m <sup>3</sup>	868	879	882	886	890	AST M D-4052
Viscosity @ -25 °C	mPa s	3,050	-	-	-	-	AST M D-5293
@ -15 °C		-	3,400	-	-	-	AST M D-5293
@ 40 °C	mm <sup>2</sup> /s	33	63	108	141	196	AST M D-445
@ 100 °C	mm <sup>2</sup> /s	5.82	8.50	11.93	14.3	19.0	AST M D-445
Viscosity Index		100	106	96	99	99	AST M D-2270
Flash Point, COC	°C	220	226	230	240	250	AST M D-92
Pour Point	°C	-33	-24	-18	-15	-12	AST M D-97
Sulphated Ash	% wt.	1.3	1.3	1.3	1.3	1.3	AST M D-874
Base Number	mg KOH/g	12	12	12	12	12	AST M D-2896

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