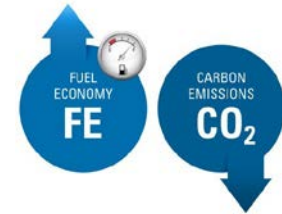


## PRODUCT BULLETIN

### CAM2 Blue Blood Elite Full Synthetic 5W-40 CK-4/SN

PRODUCT # 396



**CAM2 Blue Blood Elite 5W-40 Full Synthetic Engine Oil** with **DETOX®** technology is a ground breaking mixed-fleet engine oil formulated to minimize operating costs in naturally aspirated and turbocharged four-stroke diesel engines where CK-4 or SN service category and SAE 5W-40 oils are recommended.

#### Features

**Excellent Cold Weather Performance** - the low viscosity full synthetic base stock promotes consistent cold engine starting in sub-zero climates allowing oil to quickly reach all areas of the engine.

**Improved Fuel Economy** - using our most advanced technology to date, Blue Blood 5W-40 CK-4 may provide up to 1.8% better fuel economy without compromising engine durability when compared to 15W-40 oils

**DETOX® Deposit Control** - Blue Blood Engine Oil with DETOX® technology protects after-treatment systems and extends engine life by reducing soot and deposits by up to 60% over conventional heavy duty engine oils

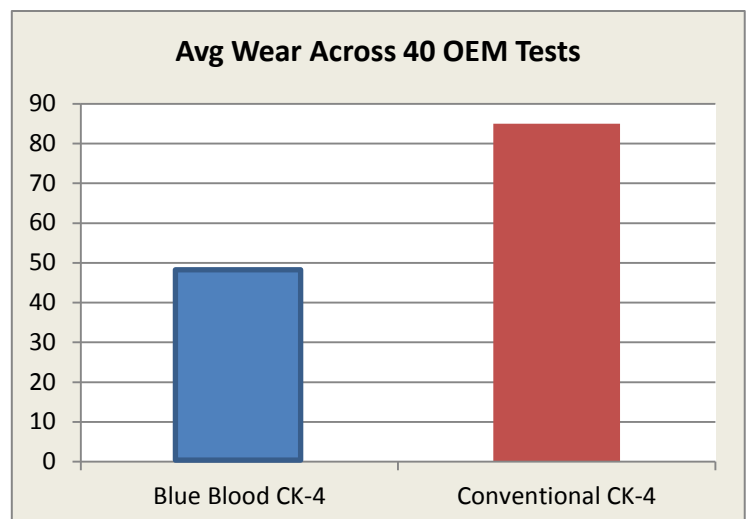
**Advanced Anti-wear Technology** - utilizing an all-new thermally stable anti-wear agent which penetrates deep into the surfaces of metallic engine components to form a lubricating barrier which can reduce wear by up to 68% over industry standards

**Formulated for Extended Drains** - helps reduce operating costs by allowing less frequent oil changes while delivering improvements in performance and protection

**Improved Oxidation Stability** - optimized additive chemistry in a premium full synthetic base stock eliminates oil thickening and effectively controls build-up of harmful acidic byproducts maintaining engine cleanliness while helping maximize gains in fuel economy

**Superb Shear Stability** - robust viscosity modifier provides extremely high viscosity index while also resisting viscosity loss due to shear ensuring your engine maintains optimal oil pressure

**After-treatment Compatibility** - advanced low-ash and sulfated ash content helps eliminate exhaust after-treatment blockages and poisoning helping your vehicle to maintain emissions compliance and fuel efficiency



\*Applications and Technical Data on Page 2



## APPLICATIONS

CAM2 Blue Blood 5W-40 CK-4/SN is recommended for the following applications:

API CK-4, CJ-4, CI-4+	FORD WSS-M2C171-F1
API SN, SM, or SL	MB-Approval 228.31
ACEA E9-16	MAN 3575
CUMMINS CES 20086, CES 20081	RENAULT VI RLD-4
CAT ECF-3, ECF-2	MTU 2.1
DETROIT DIESEL DFS93K222, 218	DEUTZ DQC III-10 LA Allison
MACK EOS-4.5	TES-439
VOLVO VDS-4.5	

## TYPICAL CHARACTERISTICS

Product Code	396
SAE Grade	5W- 40
Viscosity @ 40°C, cSt	86.8
Viscosity @ 100°C, cSt	14.2
Viscosity Index	170
Sulfated Ash, m%	<1.0
Pour Point, °C	-37
HTHS @ 150°C	4.0
Flash Point, °C (COC)	229
Total Base Number, mg KOH/g	10.0
Phosphorous, m%	0.111

The above characteristics are typical of current production. While production will conform to CAM2's specification, slight variations may occur and do not affect performance.

For more information, contact your CAM2 Representative or visit our website @ [www.CAM2.com](http://www.CAM2.com)

### Special handling, notices or warnings

Avoid contact with eyes  
Avoid prolonged or repeated contact with skin  
DO NOT INDUCE VOMITING