Atom AC-1909
Diesel & Gasoline Engine Oil Additive

AC-1909 A premium multipurpose additive cascaded from API CF-4/SG to SB/CB levels.

APPLICATIONS

AC-1909 has been designed for formulating premium quality PCMO & DEO engine oils. Performance has also been established against a range of major European and US specifications. This product is designed to provide robust performance against specific markets.

profile within the heavy-duty sector in cost-effective product formulations. In addition to the individual core products designed to meet key market profiles, AC-1909 is there to cover all these profiles at different treat rates in a simple cascade scheme.

RECOMMENDED DOSAGE

Performance Level	Treat Recommendation %wt AC-1909
API CF4/SG	**6.0%**
API CF/SF	**4.5%**
API SF/CD	**4.0%**
API SF/CC	**3.9%**
API SE/CD	**3.7%**
API CD	**3.4%**
API SD/CC	**2.8%**
API CC/SC	**2.5%**

OEM Performance OEM Performance Indicator	Treat AC-1909
MB-228.1/228.0	**5.40%**
ACEA E2-96 issue 5 (2007)	**5.40%**
MAN 270/271	**5.40%**
API SG	**5.80%**
API CF	**4.50%**

Typical Characteristics	
Characteristics	**Typical Value**
Appearance	Brown Viscous Liquid
Density @ 15°C, g/cu.cm	0.997
Viscosity @ 100°C, cSt	65
Flash Point, COC, °C	150
Pour Point, °C	-18
Calcium, % weight	5.5
Magnesium, % weight	0.82
Zinc, % weight	1.8
Phosphorus, % weight	2.14
Nitrogen, % weight	0.38
Sulfur, % weight	4.32
Sulfated Ash	23
TBN, mg KOH/gm	185

HANDLING INFORMATION

Recommended maximum blending temperature is 60°C For best result in blending add first VI Improver and then DDI Packages. Please refer to the corresponding material safety data sheet for handling and blending precautions and maximum recommended temperatures

STORAGE	HANDLING
60-80°C (140-176°F)	**80-90°C (176-194°F)**

SAFETY INFORMATION

For more extensive information on safe handling and use of this product, see the Safety Data Sheet.

SHIPPING INFORMATION

Tank Cars, Tank Trucks and non-returnable 55-gallon steel drums.