

PCA 2877 - PCMO

Engine Oil Additive Package

Description:

PCA 2877 is a multifunctional lube oil additive package used to formulate high quality monograde and multigrade gasoline and diesel engine oils with physical and chemical properties similar to a variety of API classifications. PCA 2877 – PCMO has many years of field-testing and performance approvals with exceptional results.

Performance Benefits:

PCA 2877 is manufactured using state of the art technology with components designed for use with API Group I and II base stocks to formulate high-quality motor oils. PCA 2877 contains detergents, dispersants, antioxidants, friction modifiers and rust and oxidation inhibitors required in gasoline and diesel engines. Booster packages are available to meet a wide range of performance levels.

Typical Properties:

Property	Method	Typical Value
Specific Gravity @ 15.6 °C	ASTM D-4052	1.02
Pounds per Gallon @ 15.6 °C	--	8.50
Viscosity, cSt @ 100 °C	ASTM D-445	50
Total Base Number, mg KOH/g	ASTM D-2896	115
Calcium, wt%	ASTM D-	3.80
Nitrogen, wt%	ASTM D-	0.55
Phosphorus, wt%	ASTM D-	1.87
Zinc, wt%	ASTM D-	2.10
Sulfur wt%	ASTM D-	5.0

Storage and Handling:

Maximum temperatures of 60 °C (140 °F) for handling and 38 °C (100 °F) for long-term storage are recommended. Typical precautions for handling concentrated chemicals and blending additives into base oils and solvents should be observed.

Availability:

PCA 2877 is available in drums and in bulk (tank trucks and railcars).
Samples are available upon request.

TECHNICAL DATA SHEET

Dosage Chart:

Field Tested Performance Equivalent	PCA 2877 Dosage Rate		PCA 400 Booster		PCA 9070 Booster	
	Wt %	(Vol %)	Wt %	(Vol %)	Wt %	(Vol %)
SM	4.20	(3.61)	0.40	(0.29)	1.50	(1.38)
SL	4.81	(4.14)				
CH-4 / SJ / SH *	5.88	(5.07)	0.82	(0.60)		
SJ / SH	4.80	(4.13)				
SG / CD / CF-4	6.20	(5.34)				
SG / SF / SE / CD	4.00	(3.43)				
SE / CC	3.21	(2.75)				
SD / CC	3.10	(2.66)				
SC / CC	2.29	(1.96)				
SB / SC / CB	2.19	(1.88)				

Volumetric percentages based on 31° API Base Oil.

The above recommendations are for use with typical API Group I and Group II base oils.
A non-dispersant Viscosity Modifier is recommended for multigrades.
This product is field tested and performance approved.

* Booster package required for 10 TBN finished oil.

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