



ENGINE OILS

ADDINOL POLE POSITION SAE 5W-40, SAE 10W-40, SAE 10W-50, SAE 20W-50

PRODUCT DESCRIPTION

ADDINOL Pole Position are high-performance engine oils for four-stroke motorbikes of leading Japanese and European manufacturers in the SAE grades 5W-40, 10W-40, 10W-50 and 20W-50.

The ideal combination of synthetic base oils and field-tested additives guarantee an outstanding performance and provide an optimal wear and corrosion protection as well as outstanding thermal stability.

APPLICATION

- Excellent suitability for all motorbikes with air- and water-cooled four-stroke engines of highest performance.
- Reliable functioning of wet clutches even under extreme conditions
- Perfect protection for the transmission – guarantees easy shifting
- Ideal partner for sporty high-tech motorbikes for on- and off-road operations
- High load-carrying capacity for continuous operation

CHARACTERISTICS

- High thermal stability
- Excellent cleaning capacity
- Very good corrosion and wear protection
- Fuel-efficient characteristics
- Tried and tested additivation
- Wide temperature range

SPECIFICATIONS

Meets and exceeds the international specifications of:

- JASO MA-2/MA
- API SN

DELIVERY

Delivery preferable in 1 l cans and small drums.

ADVANTAGES AND BENEFITS

- Optimum lubricating effect in engine and transmission also for difficult conditions
- Outstanding engine cleanliness; no formation of damaging deposits
- Prevent premature engine wear
- Fuel saving characteristics and higher performance
- Ideal operation of engine, transmission and clutch
- Fuel-efficiency from cold-start over whole performance range





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition/unit		Pole Position				Method acc. to
			SAE 5W-40	SAE 10W-40	SAE 10W-50	SAE 20W-50	
Appearance			clear, without contaminations				visual
SAE grade	J 300		5W-40	10W-40	10W-50	20W-50	ASTM
JASO			MA-2				Laboratory and engine test acc. to ASTM and CEC
API			SN				
Density	at 15°C	kg/m ³	849	853	853	866	DIN 51757
Viscosity	at 100°C	mm ² /s	14.4	14.3	18.9	18.3	ASTM D 7042
Viscosity index			168	162	166	142	DIN ISO 2909
HTHS-Viscosity	at 150°C	mPa*s	3.9	3.9	4.7	4.8	ASTM D 4683
TBN		mg KOH/g	7.5				DIN ISO 3771
Flash point	COC	°C min.	234	244	236	262	DIN EN ISO 2592
Pour point		°C max.	-38	-40	-40	-40	ASTM D 7346
Pumpability		°C max.	-35	-30	-30	-20	ASTM D 4684

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.