



Magnatec 5W-30 A1

Applications

We understand what it takes to keep your Ford car working just as it should. New Castrol Magnatec contains Intelligent Molecules for active and continuous protection, keeping your Ford car at its peak for longer.

Tested and approved to European Automobile Constructors Association (ACEA) and American Petroleum Institute (API) specifications

Gives outstanding fuel efficiency and is suitable for modern fuel efficient gasoline and diesel Ford engines.

Magnatec 5W-30 A1 is also suitable for use in other manufacturers fuel efficient modern gasoline and diesel engines including inter-cooled and turbo-charged and where the manufacturer recommends ACEA A1/B1, A5/B5 or API SL or ILSAC GF-3.

Meets Ford WSS-M2C913-C, WSS-M2C913-B and WSS-M2C913-A specifications.

Features / Benefits

Intelligent Molecules that know where to go:

Surface analysis studies prove Magnatec's Intelligent Molecules bond to the surfaces where engine wear occurs

Giving a continuous layer of protection where it's needed most, including camshaft and followers normally prone to damage

Real time wear measurement via state-of-the-art radiation techniques show Magnatec provides more protection than other oils during the critical start up period

Magnatec's Intelligent Molecules:

Cling to your engine providing an extra layer that protects during start up and beyond

Bond to metal surfaces making engine parts more resistant to wear

Castrol Magnatec provides protection for all driving conditions and styles, including:

Fast & Hot

Slow & Cold

At start up, from the moment you turn the key

During stop & go driving

Longer journeys & highway driving

Castrol Magnatec 5W-30 A1 uses Fully Synthetic base oil technology to provide superior performance under extreme cold start up conditions.

Giving you the assurance of a stronger layer of protection

Castrol Magnatec 5W-30 A1 also gives outstanding Fuel Efficiency

Specifications / Performance

ACEA A1/B1, A5/B5

API SL

ILSAC GF-3

Meets Ford WSS-M2C913-C, WSS-M2C913-B & WSS-M2C913-A

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

Castrol (UK) Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local Castrol office.

Typical Characteristics

Test Methods

Units

Value:

SAE 5W-30 A1

Test	Method(s)	Unit	Typical	Max
Density @ 15C, Relative	ASTM D4052	g/ml	0.85	
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	9.46	12.5
Viscosity, CCS -30C (5W)	ASTM D5293	cP	4800	6600
Zinc, % wt	ASTM D4951	% wt	0.085	0.090
Calcium, % wt	ASTM D4951	% wt	0.32	0.335
Phosphorus, % wt	ASTM D4951	% wt	0.077	0.080
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	53.1	
Viscosity Index	ASTM D2270	None	163	
Pour Point	ASTM D97	°C	-45	
Flash Point, PMCC	ASTM D93	°C	207	
Total Base Number, TBN	ASTM D2896	mg KOH/g	10.5	
Ash, Sulphated	ASTM D874	% wt	1.2	1.4

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

**This Data sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication.
It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence.**

The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned).

Castrol UK Ltd, Wakefield House, Pipers Way, SWINDON, Wiltshire. SN3 1RE www.castrol.com/uk
Telephone: 01793 512712
Automotive Technical Helpline: 01793 452222
Orders/Enquiries: 0845 6008125 (Workshop Customer Order Line) 0845 6008131 (Retail Customer Order Line)

Castrol Ireland Ltd, Wakefield House, Pipers Way, SWINDON, Wiltshire. SN3 1RE www.castrol.com/ie
Automotive Technical Helpline: 1800 509 353
Orders/Enquiries: 1850 930 394
