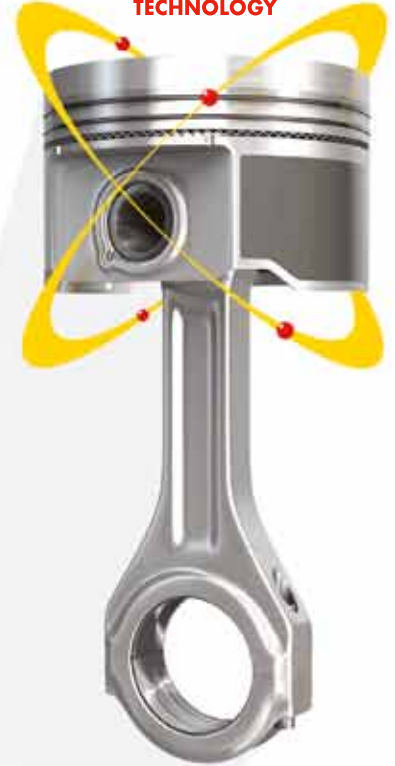


ULTRA PROFESSIONAL

SHELL HELIX ULTRA PROFESSIONAL AG 5W-30

FULLY SYNTHETIC MOTOR OIL

WITH
Shell
PUREPLUS
TECHNOLOGY



TAILORED TO MEET ENGINE MANUFACTURERS' SPECIAL REQUIREMENTS

We understand that your customers are passionate about the cars they drive and want to make sure they use the right oil in their engines. That is why we have developed our Shell Helix Professional portfolio – a range of lubricants designed specifically to meet individual vehicle manufacturers' specifications. So, when your customer asks you for advice about which oil to use, you can be confident that you are offering the right product.

Specifications: GM specification GMW16177 (dexos2™);
ACEA C3; API SN

Shell
HELIX ULTRA
Motor oils

PROUD DRIVERS CHOOSE SHELL HELIX ULTRA



SHELL HELIX ULTRA PROFESSIONAL AG 5W-30

WHY OFFER SHELL HELIX ULTRA PROFESSIONAL AG?

Shell Helix Ultra Professional AG is designed to meet the demanding requirements of high-performance engines, including General Motors, and passed rigorous testing to comply with the manufacturer's specifications. With Shell Helix Ultra Professional AG, your customers are using a lubricant that is specially tailored to their vehicle so it can offer better value than the multipurpose, one-size-fits-all oils on the market. Shell Helix Professional AG oils result from years of technology collaboration and lubricant research between Shell and General Motors.

SHELL HAS A STRONG RELATIONSHIP WITH GENERAL MOTORS

- Shell and General Motors work together to develop both factory- and service-fill fluids in many parts of the world.
- Shell and General Motors have collaborated on lubricant research and development projects.

SHELL HELIX ULTRA PROFESSIONAL AG 5W-30		
TYPE	TEST	PARAMETERS
FUEL EFFICIENCY	ACEA fuel economy – MB M111FE (CEC-L-54-T96). A minimum of 1% fuel efficiency improvement	Fuel economy
GENERAL MOTORS SPECIFIC IN-HOUSE TESTS	GM RNT valve-train wear test GMPTE-T DURO21	Maximum cam wear, maximum tappet wear
	GM aeration test GMPTE-T MECO24	Maximum difference in aeration of aged candidate oil versus reference oil
	GM oil release test gasoline engine (OP-1) GMPTE-T DURO20	Viscosity increase, total acid number and total base number after test, elemental data
	GM oil release test diesel engine GMPTE-T DURO19	Piston ring clearance, wear (conrod, main, camshaft), elongation (timing chain, duplex chain, balancer chain), piston cleanliness, oil consumption, viscosity increase, low-temperature pumpability, elemental data
ENGINE WEAR AND DURABILITY	Peugeot TU3M valve-train scuffing wear test (CEC L-38-A-94)	Cam wear, pad merit
	CEC-L-38 or ASTM Sequence VIII bearing corrosion (ASTM D6709)	Bearing weight loss
	OM646LA wear test (CEC-L-099-08)	Cam wear (inlet/outlet), cylinder wear, bore polish, tappet wear (inlet/outlet), piston cleanliness, engine sludge
ENGINE CLEANLINESS	Peugeot TU5JP-L4 high-temperature deposits (CEC-L-88-T-02)	Ring sticking, piston varnish, viscosity increase, oil consumption
	ASTM Sequence IIIG piston deposit test (ASTM D7320)	Viscosity increase, piston deposits, cam and lifter wear, hot stuck rings
	DV4TD medium-temperature dispersivity test (CEC-L-093-04)	Viscosity increase, piston merit
	VW TDI piston cleanliness test (CEC-L-78-T-99)	Piston cleanliness, ring sticking, end of test total base number and total acid number
	ASTM Sequence VG sludge test (ASTM D6593)	Average engine sludge, rocker arm cover sludge, average engine varnish, piston skirt varnish, hot-stuck rings, oil screen clogging
	MB M271 sludge test	Engine sludge



SYNTHETICS REIMAGINED AND REINVENTED

Shell Helix Ultra Professional AG passenger car motor oils are formulated using unique Shell PurePlus Technology, which, compared to traditional group II and group III base oils, provides enhanced viscosity, friction and volatility performance. Shell PurePlus Technology offers the opportunity to develop superior lubricants for the most advanced engines, achieving engine cleanliness not possible with lesser base oils.

Our breakthrough process converts natural gas into a crystal-clear base oil with virtually none of the impurities found in crude oil. From that pure, clear base we add our proprietary Active Cleansing Technology to create a motor oil that helps provide superior cleansing and protection for today's engines – protection that exceeds industry standards, keeping critical engine components cleaner.