FULLEN

SMART CATALOGUE 2023

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FULLEN

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smile for miles.

ABOUT COMPANY

PRODUCTS

CONTACT US

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Füllen Lubricant Company is a worldwide operating lubricant manufacturer developing, producing and distributing high-grade greases, oils, pastes and sprays for nearly all industrial applications and manufacturing sectors. Known under the trade mark "FULLEN©", the company was founded in 1980 and since has established an extensive network of subsidiaries and sales representatives around the globe. Our degree of specialisation, the high innovation rate and our first-class products are just a few reasons for the growing success of the Füllen brand in the world market.

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PRODUCTS

PASSENGER CAR 

HEAVY DUTY 

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PASSENGER CAR

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PASSENGER CAR ENGINE OIL

- SN 0W20
- SN 5W30
- SN 5W40
- SN 10W40
- SM 10W40
- SM 20W50
- SL 10W40

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ENERGIZER
SN 0w20 Passenger Car Engine Oil

FULLEN Energizer™ 0w20 This Product is a high-performance fuel conserving engine oil based on synthetic technology for all gasoline engines in passenger cars & specially designed for lubrication of the latest generation engines like hybrid and ECO models which require a SAE 0W-20 and run on gasoline and/or ethanol-containing fuels up to E85.
Fullen Energizer™ 0W20 is an ultra low viscosity full synthetic engine oil specially designed for modern petrol engines. It provides high levels of fuel efficiency and deposit protection under severe driving conditions.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.847
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6.8
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

INTELLIGENT
SN 5w30 Passenger Car Engine Oil

FULLEN Intelligent™ 5w30 is a full synthetic engine oil designed for modern petrol engines. This low viscosity formulation supports fuel efficiency requirements and delivered excellent cold start protection and faster flow at start. It contains latest generation technology to meet the new ILSAC GF-5A fuel efficiency requirements as well as the API SN specification meaning it is suitable for use in Gasoline Direct Injection (GDI) and Turbocharged Gasoline Direct Injection (TGDI) engines where it protects against engine wear and Low Speed Pre-Ignition (LSPI).

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.847
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6.8
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

INTELLIGENT
SN 5w40 Passenger Car Engine Oil

FULLEN Intelligent™ 5w40 is a full synthetic engine oil that delivers ultimate protection and performance during everyday and high stress driving conditions.
FULLEN has been developed for high tech engines that experience everyday and severe driving conditions like stop-start driving in high traffic situations and highway driving. It is suitable for naturally aspirated and turbocharged petrol engines and is also suitable for some passenger diesel engines.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.850
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	15
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

INTELLIGENT
SN 10w40 Passenger Car Engine Oil

FULLEN Intelligent™ 10w40 is formulated with a combination of synthetic and mineral base stocks and advanced additive systems to protect modern, high tech, fuel efficient engines.
FULLEN meets the new ILSAC GF-5 and API SN specifications to protect against Low Speed Pre-Ignition in Gasoline Direct Injection (GDI) and Turbocharged Gasoline Direct Injection (TGDI) engines.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.860
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	15
Viscosity index	ASTM D2270		158
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	10.5
Pour point	ASTM D97	°C	-30
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

INTELLIGENT
SM 10w40 Passenger Car Engine Oil

FULLEN Intelligent™ 10w40 This is a semi synthetic lubricant based on carefully selected highly refined base oils. This oil is suitable for the lubrication of all 4-stroke gasoline and diesel engines of passenger cars, equipped with direct fuel injection. Meets the API SM specification for gasoline engines with extended oil drain intervals.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.860
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		158
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	10.5
Pour point	ASTM D97	°C	-30
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

INTELLIGENT
SM 20w50 Passenger Car Engine Oil

FULLEN Intelligent™ 20w50 Specially suitable for vehicles with high mileage. Mineral high-performance motor oil. Provides especially good dirt-suspending and cleaning power. Ensures the greatest lubricating film stability, ideal oil pressure and maximum wear protection even under critical conditions. For vehicles with tried and tested engine technology. All-year oil for gasoline and diesel engines. Can be used on all vehicles without particulate filters – also in mixed fleets. Tested safe with catalytic converters and turbochargers.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.890
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	20
Viscosity index	ASTM D2270		132
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	8
Pour point	ASTM D97	°C	-24
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 230

INTELLIGENT
SL 10w40 Passenger Car Engine Oil

FULLEN Intelligent™ 10w40 Low-friction motor oil based on synthetic technology. With improved formula for long engine life. Has particularly good dirt suspending and cleaning properties, keeps oil consumption low and ensures rapid oil penetration of the engine and turbocharger.
For year-round usage in gasoline and diesel engines. Universal use in vehicles without soot particle filter. Also highly suitable for gas-driven vehicles (CNG/LPG). Tested for use with turbochargers and catalytic converters.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.865
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	15.3
Viscosity index	ASTM D2270		153
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	8
Pour point	ASTM D97	°C	-30
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 220

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PASSENGER CAR TRANSMISSION FLUIDS

MVLV

ATF AL4

ATF SP4

ATF SP3

GL5 85W90

GL5 75W80

GL5 75W90

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IMMORTAL
MVLV Passenger Transmission Fluids

FULLEN ATF MVLV™ is an innovative automatic transmission fluid based on an advanced synthetic technology allowing very high performances. It offers fuel economies thanks to low viscosity.
This lubricant has been developed to meet the needs of modern transmission where higher efficiency is equired. It is a low viscosity formulation that meets the more demanded OEM specifications.
Fullen MVLV is recommended for use in the latest generation of high efficiency 6-speed automatic transmissions with longer fluid life capabilities and heavier load capacities.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt(mm2/s)	16.9
Viscosity index	ASTM D2270		94
Density @ 15°C	ASTM D4052	Kg/m3	899
Flash Point (Max)	ASTM D92	°C	216
Pour Point (Min)	ASTM D97	°C	-18

IMMORTAL
ATF AL4 Passenger Transmission Fluids

FULLEN ATF AL4™ is Multi-Vehicle ATF is the full-synthetic automatic transmission fluid with MaxLife Technology that's suitable for use in 95% of ATF vehicles in operation with US registered light duty applications. Formulated with advanced additives to prevent the major causes of transmission breakdown, it's designed to help prevent leaks, reduce wear and tear, and maximize performance – all for much longer than conventional fluids. It has improved thermal stability for longer fluid life, better viscosity stability for consistent transmission operation, and specific frictional enhancements for smooth gear engagements.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	7.5
Viscosity index	ASTM D2270		37
Density @ 15°C	ASTM D4052	Kg/m3	173
Flash Point (Max)	ASTM D92	°C	849
Pour Point (Min)	ASTM D97	°C	224

IMMORTAL
ATF SP4 Passenger Transmission Fluids

FULLEN ATF SP4™ Multi-Vehicle ATF is the full-synthetic automatic transmission fluid with MaxLife Technology that's suitable for use in 95% of ATF vehicles in operation with US registered light duty applications. Formulated with advanced additives to prevent the major causes of transmission breakdown, it's designed to help prevent leaks, reduce wear and tear, and maximize performance – all for much longer than conventional fluids. It has improved thermal stability for longer fluid life, better viscosity stability for consistent transmission operation, and specific frictional enhancements for smooth gear engagements.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	7.5
Viscosity index	ASTM D2270		37
Density @ 15°C	ASTM D4052	Kg/m3	173
Flash Point (Max)	ASTM D92	°C	849
Pour Point (Min)	ASTM D97	°C	224

IMMORTAL
ATF SP3 Passenger Transmission Fluids

FULLEN ATF SP4™ Multi-Vehicle ATF is the full-synthetic automatic transmission fluid with MaxLife Technology that's suitable for use in 95% of ATF vehicles in operation with US registered light duty applications. Formulated with advanced additives to prevent the major causes of transmission breakdown, it's designed to help prevent leaks, reduce wear and tear, and maximize performance – all for much longer than conventional fluids. It has improved thermal stability for longer fluid life, better viscosity stability for consistent transmission operation, and specific frictional enhancements for smooth gear engagements.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	7.5
Viscosity index	ASTM D2270		37
Density @ 15°C	ASTM D4052	Kg/m3	173
Flash Point (Max)	ASTM D92	°C	849
Pour Point (Min)	ASTM D97	°C	224

IMMORTAL
GL5 85w90 Passenger Transmission Fluids

FULLEN GL5™ 85w90 Extra Synblend Gear 85w90 is a semi synthetic high-performance gear oil recommended for axles with spiral bevel gears operating under moderate to severe conditions of speed and load or axles with hypoid gears operating under moderate speeds and loads where API GL-5 gear oil is required. Its extreme pressure component guarantees protection of hypoid and gears against scuffing, scoring and wear. Thermally stable to control deposits formation and oil thickening maintaining good gear oil and transmission performance.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	16.9
Viscosity index	ASTM D2270		94
Density @ 15°C	ASTM D4052	Kg/m3	899
Flash Point (Max)	ASTM D92	°C	216
Pour Point (Min)	ASTM D97	°C	-18

IMMORTAL
GL5 75w80 Passenger Transmission Fluids

FULLEN GL5™ 75w80 Ultima LSD Syn Gear 75w80 is a premium extreme pressure fuel efficient fully synthetic gear oil designed to meet the demanding requirements of light and heavy duty manual transmissions equipped with Limited Slip Differential (LSD) system of 4-wheel drive vehicles (4WD) with the extended drain performance. Provides drive axle, differential wear protection under high temperature conditions demanded by light and heavy duty OEMs for towing and off-road applications. Delivers an excellent power transfer, without a noisy and dragging drive during gear Outstanding excellent extreme pressure (EP) properties to provide

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	16.9
Viscosity index	ASTM D2270		94
Density @ 15°C	ASTM D4052	Kg/m3	899
Flash Point (Max)	ASTM D92	°C	216
Pour Point (Min)	ASTM D97	°C	-18

IMMORTAL
GL5 75w90 Passenger Transmission Fluids

FULLEN GL5™ 75w90 is a premium extreme pressure fuel efficient fully synthetic gear oil designed to meet the demanding requirements of light and heavy duty manual transmissions equipped with Limited Slip Differential (LSD) system of 4-wheel drive vehicles (4WD) with the extended drain performance. Provides drive axle, differential wear protection under high temperature conditions demanded by light and heavy duty OEMs for towing and off-road applications. Delivers an excellent power transfer, without a noisy and dragging drive during gear shifts.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Viscosity @100°C	ASTM D445	cSt (mm2/s)	15.7
Viscosity index	ASTM D2270		210
Density @ 15°C	ASTM D4052	Kg/m3	867
Flash Point (Max)	ASTM D92	°C	210
Pour Point (Min)	ASTM D97	°C	-39

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HEAVY DUTY ENGINE OIL

CI-4 15W40

CH-4 15W40

CF-4 20W50

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DUCTILE
CI-4 15w40 Heavy Duty Car Engine Oil

FULLEN Ductile™ 15w40 Engine Oil is formulated to provide maximum protection to heavy duty diesel engines. This oil strongly resists soot induced oil thickening and keeps the oil flow perfect for lubrication over longer time periods. The extended TBN reserve enables extended drain interval capability and the high viscosity index presides over smooth operation over a wide temperature range. Providing excellent soot handling capability and controls oil thickening. Excellent protection against wear & tear, corrosion to enhance engine life.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.847
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6.8
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

DUCTILE
CH-4 15w40 Heavy Duty Car Engine Oil

FULLEN Ductile™ 15w40 Engine Oil is formulated to provide maximum protection to heavy duty diesel engines. This oil strongly resists soot induced oil thickening and keeps the oil flow perfect for lubrication over longer time periods. The extended TBN reserve enables extended drain interval capability and the high viscosity index presides over smooth operation over a wide temperature range.
Providing excellent soot handling capability and controls oil thickening.
Excellent protection against wear & tear, corrosion to enhance engine life.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.847
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6.8
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

DUCTILE
CF-4 20w50 Heavy Duty Car Engine Oil

FULLEN Ductile™ 20w50 is formulated WITH MINERAL BASE OIL to provide optimum performance in modern naturally aspirated and turbo charged diesel engines operating under a wide variety of service conditions.
Exceeds API CF-4. Formulated to provide optimum performance in modern naturally aspirated and turbo chared diesel engines operating under wide variety of service conditions. High temperature piston deposit control; Soot dispersancy and oil-thickening control.

TYPICAL	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.847
Kinematic viscosity at 100°C	ASTM D445	mm^2/s	10.5
Viscosity index	ASTM D2270		170
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	6.8
Pour point	ASTM D97	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.4
Flash Point COC	ASTM D92	°C	Min 200 - Max 215

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INDUSTRIALS OIL

TURBINE

HYDRAULIC HL

HYDRAULIC HM

HYDRAULIC HLP

COMPRESSOR

THERMAL

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REPUTED
TURBINE Industrial Lubricants

FULLEN TURBINE™ The excellence of FULLEN Turbine oil is the combined result of selected base oils, refining methods and additives.FULLEN Turbine oils are made from the finest paraffinic base stocks, chosen for resistance to oxidation and refined by modern techniques to remove unstable and undesirable components, and carefully selected additives to enhance their inherent good qualities.Excellent oxidation stability. Protection against ursting of metal surfaces, high viscosity rang are some of the advantages of FULLEN Turbine oil, and is available in following ISO viscosity grades: 32,46,68,100 and 150 which can be used depending on bearing design, speed and operating temperature.

TYPICAL	METHOD	68
viscosity at 40°C	ASTM D445	68
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	95
Density at 15°C	ASTM D4052	875
Pour point	ASTM D97	-9
Flash Point COC	ASTM D92	232

REPUTED
HYDRAULIC HL Industrial Lubricants

FULLEN HL 46™ hydraulic oils are intended for use in machines with low or medium loaded hydraulic systems. They are perfect for excavators and mini-excavators, whose task is not to work in a continuous mode 24/7. L-HL46 oils are perfect for our climate due to moderate weather conditions. Unique features of Orlen oils: it is not afraid of water or high temperatures / copes well with high loads / high durability in the most difficult conditions / it will be perfect for construction and agriculture
*Important Note: The mentioned specifications and compatibilities have been taken from the official pages of the manufacturers. Consult your engineer/technician for the correct product selection.

TYPICAL	METHOD	46
viscosity at 40°C	ASTM D445	46
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	95
Density at 15°C	ASTM D4052	880
Pour point	ASTM D97	-24
Flash Point COC	ASTM D92	220

REPUTED
HYDRAULIC HM Industrial Lubricants

FULLEN HM 150™ This oil is specifically designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds. It is recommended for the hydraulic systems of the following types : Vickers, Gerotor, Gresen, HPM, Denison, Cessna, Hydreco and Worthington. It is also suitable for the lubrication of workshop equipment, reducing gears, bearings, compressed air systems and air screw compressors.

TYPICAL	METHOD	150
viscosity at 40°C	ASTM D445	150
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	95
Density at 15°C	ASTM D4052	889
Pour point	ASTM D97	-24
Flash Point COC	ASTM D92	230

REPUTED
HYDRAULIC HLP Industrial Lubricants

FULLEN HLP™ oils use high quality, high viscosity index mineral oil and additive package to provide outstanding protection in most manufacturing and many mobile equipment operations. They resist breakdown under heat or mechanical stress and help prevent damaging deposit formation that can decrease the efficiency of hydraulic power systems. Proven zinc-based anti-wear additives effective throughout the range of operating conditions. Gazpromneft Hydraulic HLP oils meet the most performance requirements of a wide range of hydraulic system and component manufacturers.

TYPICAL	METHOD	68
viscosity at 40°C	ASTM D445	68
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	95
Density at 15°C	ASTM D4052	885
Pour point	ASTM D97	-24
Flash Point COC	ASTM D92	220

REPUTED
COMPRESSOR Industrial Lubricants

FULLEN COM 68™ An ashless mineral compressor oil with a low pour point, anti-wear characteristics and an excellent oxidation stability, offering a reliable performance of the compressor under all conditions. The compressor is protected against corrosion and the oil provides a clean performance, prevents carbon deposits and shows low friction characteristics. This product, with a high thermal stability, has a maximum final stage temp. of 220 °C for centrifugal, piston, rotary screw and sliding vane compressors.

TYPICAL	METHOD	68
viscosity at 40°C	ASTM D445	68
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	95
Density at 15°C	ASTM D4052	875
Pour point	ASTM D97	-9
Flash Point COC	ASTM D92	232

REPUTED
THERMAL Industrial Lubricants

FULLEN THERMAL Oil™ Heat Transfer Oil should be supported by a qualified Heat Transfer Oil
Condition Monitoring programme to monitor fluid condition and operational stresses that impact on fluid life. Heat transfer fluid generally degrades at a rate of 0.03% per day or approx 11 % per annum. This will vary greatly on the application of the fluid and its maintenance. Degradation can be arrested when fluids are well managed and operational parameters supported by good SOP and practises.

TYPICAL	METHOD	68
viscosity at 40°C	ASTM D445	68
viscosity at 100°C	ASTM D445	-
Viscosity index	ASTM D2270	100
Density at 15°C	ASTM D4052	869
Pour point	ASTM D97	-12
Flash Point COC	ASTM D92	210