



# Speed Mate

**MOTOR OIL**







**Enjoy your drive  
with Speedmate**







## Speedmate Motor Oil

### Products are

- 100% Virgin oil
- World top class Korean made Group III base oil with global top-tier additives only
- Approvals from many world's leading vehicle manufacturers
- Original Equipment Manufacturer (Hyundai, Renault Samsung, GM Daewoo)
- Technical cooperation with advanced Japanese technology



## Speedmate Motor Oil Product Range

<p>Speedmate <b>FX-s</b></p>	<p><b>SPEEDMATE FX-S FULL SYNTHETIC MOTOR OIL</b> is the state-of-the-art motor oil with low levels of sulfated ash, phosphorus and sulfur (low SAPS). The oil formulated with Group III base stock and advanced technology additives to meet the best performance, especially indicated to optimize the efficiency and effectiveness of engines with gas post treatment and to provide extra fuel saving in petrol and diesel engines. FX-S series motor oil provides extra performance and life with engines.</p>
<p>Speedmate <b>FX-SE</b></p>	<p><b>SPEEDMATE FX-SE MOTOR OIL</b> is designed and optimized for the latest generation Gasoline and Diesel vehicles to deliver extraordinary engine protection and enhanced fuel economy. SPEEDMATE FX-SE oil is a fully synthetic high performance engine oil meets or exceeds the requirements of the latest industry standards. Produced fully compatible with latest DPF and CAT from GROUP III base oil.</p>
<p>Speedmate <b>FX-1</b></p>	<p><b>SPEEDMATE FX-1 MOTOR OIL</b> is a high performance fully synthetic motor oil developed to deliver maximum fuel efficiency and prolong engine life for latest generation gasoline engine passenger cars and light trucks. SPEEDMATE FX-1 FULL SYNTHETIC OIL is formulated with synthetic high viscosity index base oil combined with selected additives to provide the highest protection, reduce sludge, deposits and valve train wear. It is best suitable for wide variety of latest generation vehicles.</p>
<p>Speedmate <b>J4</b></p>	<p><b>SPEEDMATE J4 MOTOR OIL</b> is formulated with the highest and purest quality of synthetic base oils in the world and these top class base oils maximize the effectiveness of the high performance additive system and also maximize operation under severe driving and extreme conditions.</p>
<p>Speedmate <b>I4</b></p>	<p><b>SPEEDMATE DIESEL I4 FULL SYNTHETIC API CI-4/SL MOTOR OIL</b> is formulated with the highest quality synthetic base oil and the latest high performance additives, providing the top levels of equipment protection available and ensure that oil adapts under the full range of severe driving and extreme conditions found in modern engines. I4 Oil provides excellent energy saving-fuel economy performance.</p>
<p>Speedmate <b>H4</b></p>	<p><b>SPEEDMATE H4 DIESEL MOTOR OIL</b> is formulated with the high quality base stocks and advanced additives, producing high quality diesel engine oil that offers the best performance. This multi grade diesel engine oil is suitable for all heavy duty engines, modern high speed turbocharged, non-turbocharged diesel engines and designed for use in high performance operation under severe driving and extreme conditions.</p>
<p>Speedmate <b>HP</b> Gear Oil</p>	<p><b>SPEEDMATE HP GEAR OIL</b> is a high quality multi-purpose automotive gear oil designed for passenger cars. It contains highly refined base stock and specially selected extreme pressure additives to ensure excellent low temperature performance, soft gear change, minimize sludge and deposits.</p>
<p>Speedmate <b>ATF</b></p>	<p><b>SPEEDMATE ATF</b> is a premium automatic transmission fluid for use in passenger cars and light trucks requiring the application of DEXRON-III or DEXRON-IV using synthetic base stock and additives. Excellent viscosity index, corrosion-resistant oxidation stability and wear protection maximize the life of the transmission.</p>



# The Key Characteristics of a **Speedmate Motor Oil**



<b>GASOLINE / DIESEL MULTI</b> *DPF Compatible	<b>FX-S</b> Fully synthetic	<b>FX-SE</b> Fully synthetic				
<b>GASOLINE</b>	<b>FX-1</b> Fully synthetic	<b>T1</b> Fully synthetic	<b>T2</b> Semi synthetic	<b>R1</b> Semi synthetic	<b>R2</b> Mineral	<b>E1</b> Mineral
<b>DIESEL</b>	<b>J4</b> Fully synthetic	<b>I4</b> Fully synthetic	<b>H4</b> Mineral	<b>G4</b> Mineral	<b>F4</b> Mineral	
<b>GEAR OIL</b>	<b>GL-4</b>	<b>GL-5</b>				
<b>ATF</b>	<b>SP-III</b> Synthetic	<b>SP-IV</b> Synthetic	<b>MULTI</b> Synthetic	<b>DEXRON III</b>		



# FX-S SERIES



**SPEEDMATE FX-S FULL SYNTHETIC MOTOR OIL** is the state-of-the-art motor oil with low levels of sulfated ash, phosphorus and sulfur (low SAPS). The oil formulated with Group III base stock and advanced technology additives to meet the best performance, especially indicated to optimize the efficiency and effectiveness of engines with gas post treatment and to provide extra fuel saving in petrol and diesel engines. FX-S series motor oil provides extra performance and life with engines.

## Key features and Benefits

- Due to its fuel economy characteristics, FX-S helps to reduce gas emissions.
- Advanced anti-wear additives to extend engine life
- Ensures maximum service life of the diesel particulate filter
- Detergency and dispersant additive system helps engine to keep clean
- Outstanding low temperature pumpability for protection while cold starts
- Outstanding thermal and oxidation stability / Protects against rust and corrosion

## Specification and Approvals

SAE Grade	5W-30	5W-40
API	SN	SN
ACEA	C3	C3
BMW	LONG LIF-04	LONG LIF-04
MB	229.51, 299.52	229.51
VW	VW 502.00/505.00/505.01	VW 502.00/505.00/505.01
GM	DEXOS 2	DEXOS 2
Porsche	-	A40
DPF	Yes	Yes

## Characteristics

SAE Grade	5W-30	5W-40
Specific Gravity (@15/4°C)	0.853	0.854
Kinematic Viscosity (@100°C, mm <sup>2</sup> /s)	11.5	13.2
Viscosity Index	177	179
Flash Point (°C)	218	220
Pour Point (°C)	-39	-39
Total Base No. (mgKOH/g)	7.0	7.0
CCS Viscosity (@-30°C, mPa*s)	6,000	6,300
High Temp. High Shear* (HTHS)	3.55	3.6

# FX-SE SERIES



**SPEEDMATE FX-SE MOTOR OIL** is designed and optimized for the latest generation Gasoline and Diesel vehicles to deliver extraordinary engine protection and enhanced fuel economy. SPEEDMATE FX-SE oil is a fully synthetic high performance engine oil meets or exceeds the requirements of the latest industry standards. Produced fully compatible with latest DPF and CAT from GROUP III base oil.

## Key features and Benefits

- Due to its fuel economy characteristics, FX-SE helps to reduce gas emissions.
- Advanced anti-wear additives to extend engine life
- Ensures maximum service life of the diesel particulate filter
- Detergency and dispersant additive system helps engine to keep clean
- Outstanding low temperature pumpability for protection while cold starts
- Outstanding thermal and oxidation stability / Protects against rust and corrosion

## Specification and Approvals

SAE Grade	5W-30
API	SN
ACEA	C3
DPF	Yes

## Characteristics

SAE Grade	5W-30
Specific Gravity (@15/4°C)	0.854
Kinematic Viscosity (@100°C, mm <sup>2</sup> /s)	11.1
Viscosity Index	167
Flash Point (°C)	216
Pour Point (°C)	-39
Total Base No. (mgKOH/g)	7.0
CCS Viscosity (@-30°C, mPa*s)	6,100
High Temp. High Shear* (HTHS)	3.54

# FX-1 SERIES



**SPEEDMATE FX-1 MOTOR OIL** is a high performance fully synthetic motor oil developed to deliver maximum fuel efficiency and prolong engine life for latest generation gasoline engine passenger cars and light trucks. **SPEEDMATE FX-1 FULL SYNTHETIC OIL** is formulated with synthetic high viscosity index base oil combined with selected additives to provide the highest protection, reduce sludge, deposits and valve train wear. It is best suitable for wide variety of latest generation vehicles.

## Key features and Benefits

- Improved high temperature deposit protection for pistons
- Advanced anti-wear additives to extend engine life
- Maintain viscosity and stay in grade throughout the oil change interval
- More stringent sludge control and seal compatibility.
- Exceptional fuel economy - Resource Conserving
- Turbo charger protection
- Perfect compatibility with an emission control system

## Specification and Approvals

SAE Grade	0W-20	0W-30	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40
API	SN	SN	SN	SN	SN	SN	SN	SN
ILSAC	-	GF-5	GF-5	GF-5	-	-	GF-5	-

## Characteristics

SAE Grade	0W-20	0W-40	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40
Specific Gravity (at 15/4°C)	0.843	0.844	0.851	0.851	0.851	0.853	0.856	0.854
Kinematic Viscosity (at 100°C, mm <sup>2</sup> /s)	8.73	10.5	8.93	10.7	13.0	18.5	10.5	13.7
Viscosity Index	171	177	160	163	174	180	145	160
Flash Point (°C)	220	224	210	224	214	230	226	220
Pour Point (°C)	-39	-39	-36	-36	-33	-33	-30	-33
Total Base No. (mgKOH/g)	7.5	7.5	7.3	7.3	7.3	7.3	7.3	7.2
CCS Viscosity (at -35°C, mPa*s)	6,050	6,100	5,000	5,400	5,010	5,600	5,600	4,500

# J4 SERIES



**SPEEDMATE J4 MOTOR OIL** is formulated with the highest and purest quality of synthetic base oils in the world and these top class base oils maximize the effectiveness of the high performance additive system and also maximize operation under severe driving and extreme conditions.

## Key features and Benefits

- Emission system friendly, low ash formulation helps to keep control exhaust after treatment devices
- Advanced anti-wear additives extend engine life
- Superior detergency action to protect against a sludge and a varnish formation in cylinder
- Outstanding low temperature pumpability for protection during cold starts
- Outstanding thermal and oxidation stability
- Protect against rust and corrosion
- Low volatility for reduced oil consumption
- Provide outstanding shear stability throughout the entire oil drain interval

## Specification and Approvals

SAE Grade	10W-40	15W-40
API	CJ-4/SN	CJ-4/SN
ACEA	E7	E7
MB	228.31	228.31
MTU	Oil cat 2.1	Oil cat 2.1
MAN	M3575	M3575
Mack	E0-M Plus	E0-M Plus
Cummins	CES 20078	CES 20078
VOLVO	VDS-4	VDS-4

## Characteristics

SAE Grade	10W-40	15W-40
Specific Gravity (at 15/4°C)	0.857	0.857
Kinematic Viscosity (at 100°C, mm <sup>2</sup> /s)	14.0	13.9
Viscosity Index	152	148
Flash Point (°C)	236	236
Pour Point (°C)	-36	-36
Total Base No. (mgKOH/g)	8.5	8.5
CCS Viscosity (at -25°C, mPa*s)	5,800	-
CCS Viscosity (at -20°C, mPa*s)	-	4,500
High Temp. High Shear (HTHS)	4.0	4.1



# I4 SERIES

**SPEEDMATE DIESEL I4 FULL SYNTHETIC API CI-4/SL MOTOR OIL** is formulated with the highest quality synthetic base oil and the latest high performance additives, providing the top levels of equipment protection available and ensure that oil adapts under the full range of severe driving and extreme conditions found in modern engines. I4 Oil provides excellent energy saving-fuel economy performance.



# H4 SERIES

**SPEEDMATE H4 DIESEL MOTOR OIL** is formulated with the high quality base stocks and advanced additives, producing high quality diesel engine oil that offers the best performance. This multi grade diesel engine oil is suitable for all heavy duty engines, modern high speed turbocharged, non-turbocharged diesel engines and designed for use in high performance operation under severe driving and extreme conditions.



## Key features and Benefits

- Advanced anti-wear additives to extend engine life
- Exclusive detergency action in additive system helps prevent soot agglomeration
- Excellent protection from deposits at all operating temperatures
- Outstanding thermal and oxidation stability
- Protect against rust and corrosion
- Excellent energy saving-fuel economy performance.
- Provide outstanding shear stability throughout the entire oil drain interval

## Key features and Benefits

- Advanced anti-wear additives give long engine life, maintain engine power
- Superior detergency action to help to protect against a sludge and a vanish formation in cylinder
- Outstanding thermal and oxidation stability
- Protect against rust and corrosion
- Provide outstanding shear stability throughout the entire oil drain interval
- Excellent high and low temperature stability

## Specification and Approvals

SAE Grade	10W-40	15W-40
API	CI-4/SL	CI-4/SL
ACEA	E7	E7
MB	228.3	228.3
MTU	Oil cat 2	Oil cat 2
MAN	M3275	M3275
Mack	EO-M Plus	EO-M Plus
Cummins	CES 20071/72/76/77/78	CES 20071/72/76/77/78
VOLVO	VDS-3	VDS-3

## Characteristics

SAE Grade	10W-40	15W-40
Specific Gravity (@15/4°C)	0.860	0.860
Kinematic Viscosity (@100°C, mm <sup>2</sup> /s)	14.3	14.1
Viscosity Index	155	150
Flash Point (°C)	230	226
Pour Point (°C)	-39	-36
Total Base No. (mgKOH/g)	10.0	10.0
CCS Viscosity (@-25°C, mPa*s)	5,500	-
CCS Viscosity (@-20°C, mPa*s)	-	5,000
CCS Viscosity (@-15°C, mPa*s)	-	-

## Specification and Approvals

SAE Grade	15W-40
API	CH-4

## Characteristics

SAE Grade	15W-40
Specific Gravity (@15/4°C)	0.870
Kinematic Viscosity (@100°C, mm <sup>2</sup> /s)	14.1
Viscosity Index	145
Flash Point (°C)	228
Pour Point (°C)	-33
Total Base No. (mgKOH/g)	9.5
CCS Viscosity (@-25°C, mPa*s)	-
CCS Viscosity (@-20°C, mPa*s)	4,500
CCS Viscosity (@-15°C, mPa*s)	-

# HP GEAR OIL SERIES



**SPEEDMATE HP GEAR OIL** is a high quality multi-purpose automotive gear oil designed for passenger cars. It contains highly refined base stock and specially selected extreme pressure additives to ensure excellent low temperature performance, soft gear change, minimize sludge and deposits.

## Key features and Benefits

- Cleaner transaxles / transmissions by minimizing sludge and varnish deposits
- Increase driving comfort through smooth gear changing
- Protection against rust and corrosion
- Excellent low temperature performance

## Specification and Approvals

SAE Grade	HP Gear	
	75W-85	80W-90
API	GL-4	GL-4
ZF	TE-ML 08	TE-ML 08

## Characteristics

SAE Grade	HP Gear	
	75W-85	80W-90
Specific Gravity (at 15/4°C)	0.870	0.891
Kinematic Viscosity (at 100°C, mm <sup>2</sup> /s)	12.4	15.0
Viscosity Index	180	100
Flash Point (°C)	200	230
Pour Point (°C)	-45	-24
CCS Viscosity (at -40°C, mPa*s)	55,000	-
CCS Viscosity (at -26°C, mPa*s)	-	100,000

# ATF SERIES



**SPEEDMATE ATF** is a premium automatic transmission fluid for use in passenger cars and light trucks requiring the application of DEXRON-III or DEXRON-IV using synthetic base stock and additives. Excellent viscosity index, corrosion-resistant oxidation stability and wear protection maximize the life of the transmission.

## Key features and Benefits

- Provide consistent, reliable, smooth and trouble free operation of automotive transmission systems
- Very high viscosity index provides excellent viscosity stability
- Excellent oil fluidity at low temperatures
- Outstanding corrosion protection
- Exceptional oxidation and thermal stability
- Good wear protection maximizes transmission life

## Characteristics

SAE Grade	ATF SP III	ATF SP IV	ATF MULTI*
	75W	75W	75W
Specific Gravity (at 15/4°C)	0.850	0.850	0.850
Kinematic Viscosity (at 100°C, mm <sup>2</sup> /s)	7.5	5.4	7.6
Viscosity Index	180	180	168
Flash Point (°C)	210	200	210
Pour Point (°C)	-51	-48	45
CCS Viscosity (at -40°C, mPa*s)	9,500	7,500	13,000
CCS Viscosity (at -26°C, mPa*s)	-	-	-

## ATF MULTI

SAE Grade	ATF MULTI	SAE Grade	ATF MULTI
JASO	M315 Type 1A	Isuzu BESCO	ATF-II and ATF-III
TOYOTA	Type T-IV, WS	Daihatsu	Ammix ATF D3-SP
Nissan	Matic C, D, J, S	Hyundai/Kia	SP-III/IV
Mitsubishi	SP-II, SO-III, PA	Aisin AT	European Vehicles
Subaru/Suzuki	ATF	Allison	C-4
Honda	ATF Z-1, DW-1	GM	[*]1
Mazda	ATF M-III, M-V, FZ	Ford	[*]2

[\*]1 GM Vehicles of model year 2005 and earlier

[\*]2 Ford Vehicles of model year 2006 and earlier, except for those vehicles speckifying Type F





<http://parts.speedmate.com>

