

## Touring High Tech SAE 15W-40

### Description

All-season high-performance motor oil with selected base oils in conjunction with new future-oriented additive technology. Prevents from oil sludge. The formulation has a beneficial effect on sealing materials and thus on the leaktightness of engines. Ensures low oil consumption. High lubricating film stability ensures reliable operation.

### Properties

- optimum stability to aging
- very wear resistant
- good cold-start behavior
- suitable for gasoline and diesel engines with and without exhaust-gas turbocharging
- prevents oil sludge
- low evaporation loss
- high shear stability
- excellent dispersion properties
- good cleaning action
- tested for the use with catalytic converters

### Specifications and approvals:

ACEA A3 • ACEA B4 • ACEA E2 • API SL • API CG-4 • Allison C4 • MAN M 3275-1 • Volvo VDS

### LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Caterpillar TO-2 • Mack EO-L • MB 228.3 • MB 229.1 • MTU Typ 2 • Peugeot Citroen (PSA) B71 2295

### Technical data

SAE class (engine oils)	15W-40 SAE J300
Density at 59 °F	0,870 g/cm <sup>3</sup> DIN 51757
Viscosity at 104 °F	101 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 212°F	14,4 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at -13 °F (MRV)	< 60000 mPas ASTM D4684
Viscosity at -4 °F (CCS)	≤ 7000 mPas ASTM D5293
Viscosity index	147 DIN ISO 2909
HTHS at 302 °F	≥ 3,7 mPas ASTM D5481



### Technical data

Pour point	-22 °F DIN ISO 3016
Evaporation loss (Noack)	10,8 % CEC-L-40-A-93
Flash point	446 °F DIN ISO 2592
Total base number	8,9 mg KOH/g DIN ISO 3771
Sulfate ash	1,0 - 1,6 g/100g DIN 51575
Color number (ASTM)	L4,5 DIN ISO 2049

### Areas of application

For engines with high mileage. Universal engine oil for gasoline and diesel engines (with and without exhaust-gas turbocharging and with and without inter-cooling). Especially suitable where there are long intervals between oil changes and extreme running conditions.

### Application

The operating instructions of the motor vehicle and engine manufacturer must be followed.

**Our information is based on thorough research and may be considered reliable, although not legally binding.**