

Shell MVIN 170

Naphthenic medium viscosity index base oil



Shell MVIN base oils are a range of severely hydrotreated naphthenic base oils with good low temperature behaviour, high solvency properties and low aromatic content. They exhibit PCA contents well below the 3 %m/m threshold of the EU Directive and do not require R45-labelling. Shell MVIN base oils are excellent blending components for use in speciality lubricants, greases, metalworking oils and functional fluids.

Typical Physical Characteristics

		MVIN 170	MVIN 170 Specification
Appearance		bright&clear	bright&clear
Colour (ASTM)	ASTM D 1500	1.5	max 2.0
Density at 15 °C	kg/m ³ ASTM D 1298	914	
Flashpoint PMCC	°C ASTM D 93	220	min 210
Flashpoint COC	°C ASTM D 92	230	
Pour Point	°C ASTM D 97	-24	max -21
Kinematic Viscosity at 40 °C	mm ² /s ASTM D 445	141	
Kinematic Viscosity at 100 °C	mm ² /s ASTM D 445	10.6	10.0 - 12.0
Viscosity Index	ASTM D 2270	40	
Acid Value	mgKOH/g ASTM D 974	< 0.03	max 0.05
Ash	%m ASTM D 482	< 0.01	
PCA Content	%m/m IP 346	max 2.9	max 2.9

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.