Shell **Catenex** *T 121*

High quality paraffinic process oil

Shell Catenex T are highly refined hydrotreated paraffinic process oils, which are virtually colourless and sulphur free. These oils are highly saturated, free of aromatics and polar compounds. Catenex T Oils are odourless and are recommended for use in process oil applications where colour stability, low volatility and low sulphur levels are required. These highly refined oils are ideal for use as process oils in rubber, elastomer, plastic, adhesive and numerous other manufacturing processes.

DESIGNED TO MEET CHALLENGES

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Catenex T 121
Colour (ASTM)			ASTM D1500	<0.5
Colour (Saybolt)			DIN 51411	+30
Density	@15°C	kg/m³	ISO 12185	844
Refractive Index	@20°C		ASTM D1218	1.464
Flashpoint (COC)		°C	ISO 2592	220
Pour Point		°C	ISO 3016	-18
Kinematic Viscosity	@20°C	mm²/s	ISO 3104	49
Kinematic Viscosity	@40°C	mm²/s	ISO 3104	21
Kinematic Viscosity	@100°C	mm²/s	ISO 3104	4.3
Dynamic Viscosity	@20°C	mPa.s	Calculated	41
Viscosity Index			DIN ISO 2909	116
Carbon Type Distribution : C/A (S-corr.)		%	DIN 51378/ASTM D2140 mod.	0
Carbon Type Distribution : C/N (S-corr.)		%	DIN 51378/ASTM D2140 mod.	28
Carbon Type Distribution : C/P (S-corr.)		%	DIN 51378/ASTM D2140 mod.	72
Refractive Intercept (RI)			DIN 51378	1.043
Viscosity Gravity Constant (VGC)			DIN 51378	0.791
Sulphur (X-Ray)		% m/m	ISO 14596	<0.0005
PCA Content (DMSO Method)		% m/m	IP 346	<3.0

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

Health, Safety & Environment

- **Health and Safety**

  Shell Catenex T 121 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from https://www.epc.shell.com/

- **Protect the Environment**

  Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

  Advice on applications not covered here may be obtained from your Shell representative.