

## Technical Data Sheet (TDS)

### ROYAL

SAE 20W50 , SN-CF

Mineral

**ROYAL** mineral oils are formulated from quality base stocks combined with modern performance additives to give your engine the protection and the performance you expect under a wide variety of operating conditions. It is recommended for all high performance gasoline engine cars equipped with direct-injection, multi valve & turbo charger technologies.

### APPLICATION

Recommended for gasoline fueled automobiles and light duty trucks requiring an API SN.

### FEATURES & BENEFITS

- Excellent engine cleanliness
- Engine protection under a wide variety of operating conditions
- Optimum power & performance under most severe driving conditions
- Fully compatible with all emission control devices and all gasoline grades
- Helps reduce engine wear and corrosion

### PERFORMANCE STANDARDS

- API SN/CF
- ACEA A3/B3/B4
- MB 229.1
- VW 505 00

### TYPICAL PROPERTIES

PARAMETERS	ASTM	UNIT	ROYAL 20W-50
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	177.8
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	20
Viscosity Index @40c -182.2	D2270	-	127
Density @ 15°C / 60°F	D4052	g/cm <sup>3</sup>	0.889
Flash Point (min)	D92	°C	236
Pour Point(max)	D97	°C	-24
TBN	D2896	mgKOH/g	8
CCS	D5293	m.Pa.S	<9500 (-15°C)

### HEALTH & SAFETY, ENVIORMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS on our website: [www.fubex.net](http://www.fubex.net)

### HEALTH & SAFETY:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, or exposed to hot sun or freezing conditions.

### PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.