



## TITAN SUPER FORMULA

High Performance motor oil for passenger cars.

### Description

TITAN SUPER FORMULA oils are premium quality, mono/multi-grade engine lubricants suitable for, and meeting the performance requirements of American, European and Asian car manufacturers.

TITAN SUPER FORMULA oils are formulated from highest quality base oils blended with a proven shear-stable viscosity index improver to give fluidity and easy starting in winter, together with good lubrication and low oil consumption at high operating temperatures. They contain a unique low ash, detergent additive package that keeps pistons and rings deposit-free despite adverse peak temperatures. This additive package also disperses and neutralises harmful acid sludge formed during cold running. Scuffing and undue wear of rings, bores and valve train components are prevented by special anti-wear agents. Additional additive treatment minimises oil thickening, helps prevent the formation of deposits at high temperatures and gives excellent protection against rust, corrosion and foaming.

### Application

Modern automotive engines are subjecting the motor oil to increasingly severe conditions. Increased power output, extended drain intervals, more stop-go operation and high operating temperatures are additional factors influencing the need for higher motor oil quality. TITAN SUPER FORMULA oils have been specially developed to cope with these arduous conditions using stringent performance tests.

TITAN SUPER FORMULA 20W50 is suitable for year round use in all four-stroke petrol engines, including those with positive crankcase ventilation (PCV) and other anti-pollution devices. It is equally satisfactory in all normally aspirated diesel engines.

### Specifications

API SF/CD

## CHARACTERISTICS

### TITAN SUPER FORMULA SAE 40

Density @ 35 °C	0.879	g/ml	ASTM D 4052
Flash Point, CoC	246	°C	ASTM D 92
Pour Point	-15	°C	ASTM D 97
Kinematic Viscosity @ 40 °C	148	mm <sup>2</sup> /s	ASTM D 445
Kinematic Viscosity @ 100 °C	14.5	mm <sup>2</sup> /s	ASTM D 445
Viscosity Index	96	-	ASTM D 2270
TBN	5	mg KOH/g	ASTM D 2896

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While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product

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## TITAN SUPER FORMULA SAE 50

Density @ 35 °C	0.883	g/ml	ASTM D 4052
Flash Point, CoC	252	°C	ASTM D 92
Pour Point	-12	°C	ASTM D 97
Kinematic Viscosity @ 40 °C	207	mm <sup>2</sup> /s	ASTM D 445
Kinematic Viscosity @ 100 °C	18.0	mm <sup>2</sup> /s	ASTM D 445
Viscosity Index	95	-	ASTM D 2270
TBN	5	mg KOH/g	ASTM D 2896

## TITAN SUPER FORMULA SAE 20W50

Density @ 35 °C	0.876	g/ml	ASTM D 4052
Flash Point, CoC	238	°C	ASTM D 92
Pour Point	-24	°C	ASTM D 97
Dynamic Viscosity @ - 15 °C	8500	cP	ASTM D 5293
Kinematic Viscosity @ 40 °C	171	mm <sup>2</sup> /s	ASTM D 445
Kinematic Viscosity @ 100 °C	18.4	mm <sup>2</sup> /s	ASTM D 445
Viscosity Index	120	-	ASTM D 2270
TBN	5	mg KOH/g	ASTM D 2896

