

# Product Data Sheet

## Diesel (Automotive) Ultra-Low Sulphur [10ppm]

### Description

*Puma's Diesel (Automotive) contains sulphur content at "Ultra-low" levels, less than 10 parts per million. Puma's Diesel (Automotive) meets the performance expectations of modern diesel vehicles designed to meet the strict emission standards found in Europe and America.*

### Specification

Specifications must comply with:

National *Fuel Quality Standards (Automotive Diesel) Determination 2019, as amended made under section 21 of the Fuels Quality Standards Act 2000*

### Storage

Keep away from sources of ignition.  
Packages should not be stored above 60°C.

All packages should be kept locked up, containers tightly closed and stored in a cool, well ventilated place.

### Health, Safety & Environment

Puma's Diesel (Automotive) is not regulated for transport of Dangerous Goods.

Inhalation or ingestion may produce health damage. Skin contact should be avoided.

Full health, safety and environmental information is provided for this product in the relevant Safety Data Sheet, which can be obtained on our website.

[www.pumaenergy.com.au](http://www.pumaenergy.com.au)

## Section 1

Test Description	Test Method	Unit	Specification
Calculated Cetane Index	ASTM D4737 Procedure A		46.0 min
Density @ 15°C	ASTM D1298	kg/m <sup>3</sup>	820 - 850
Distillation: temp. for 95% recovered [T95]	ASTM D86	°C	360.0 max
Flash Point	ASTM D93	°C	61.5 min
Kinematic Viscosity @ 40°C	ASTM D445	cSt	2.0 – 4.5
Carbon residue (10% distillation residue)	ASTM D4530	m/m%	0.2 max
Ash	ASTM D482	m/m%	0.01 max
Water & Sediment	ASTM D2709	v/v%	0.05 max
Filter Block Tendency	IP387	FBT	2.0 max
Lubricity	IP450	µm	460 max
Total Sulphur Content	ASTM D5453	mg/kg	10 max
Polycyclic Aromatic Hydrocarbon (PAH)	IP391	m/m%	11 max
Copper Corrosion, 3hrs @ 50°C	ASTM D130		Class 1 max
Oxidation Stability	ASTM D2274	mg/100mL	2.5 max
Conductivity at ambient temperature	ASTM D2624	pS/m	50 min
Cloud Point	ASTM D2500	°C	Refer section 2
Fatty Acid Methyl Esters (FAME)	EN 14078	v/v%	5.0 max

## Section 2: Cold Weather Handling Properties

### Maximum Limits for Cloud Point, °C

- Puma Energy (Australia) commits best endeavors to achieving the recommended parameters of Automotive Diesel Fuel [AS3570-1998], which states guidance for regional cold weather handling properties.
- Regions listed in this section are not exhaustive of regions supplied under this specification. Refer to Automotive Diesel Fuel [AS3570-1998] for full reference.
- The maximum cloud point limit for particular month and region applies to the date of delivery of the product into terminal.

Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NSW	9	5	2	0	-1	-1	-1	0	2	5	7	9
QC	15	12	7	4	2	2	2	4	7	12	15	15
QCN	15	15	11	7	6	6	6	8	11	15	15	15
QFNE	15	15	12	7	7	7	7	9	12	15	15	15
QS	11	7	3	0	-1	-1	-1	0	2	7	9	13

\*Temperatures are listed in °C