

P R O D U C T D A T A

**WAF P Super Plus**

API: SM

20W50

**Market Applications:**

**WAF P Super Plus 20W/50** is multigrade engine oil embodying the latest in automotive lubricant technology. It is designed to meet motor manufacturer's requirement for passengers' cars and light vans operating under services conditions including vehicles equipped with anti-pollution devices.

While primarily intended as a high performance lubricant for petrol engines, Super Petrol Extra 20W/50 is equally suitable for use in diesel engines for which multi-grade oils conforms to the API – SJ/CF or equivalent performance levels are specified

**Performance Levels:**

US Military M/L-L-46152D and MIL-L-2104C

API Classification **SL/CF**

**Product Description:**

**WAF P Super Plus 20W/50** is formulated from high quality mineral oils and features an extremely sophisticated additive package. The result is a balanced lubricant which gives the best possible standard of performance over an extremely wide range of climatic and driving conditions. **WAF P Super Plus 20W/50** is capable of providing excellent lubrication and protection for the high performance car engines of today.

**Typical Data:**

SAE Rating	20W/50	
Relative Density @ 20Deg C	0.890	
Viscosity @ 100 deg Cst (min)	18.0	
CCS Viscosity, cP max@ -15 deg C	-	
CCS Viscosity, cP max@ -10 deg C	4500	
Viscosity index	125	
Pour point, deg C	-24	
Flash point, deg C (min)	210	
<b>FOAM TEST (m/s) TYPICAL VALUE</b>	<b>TENDENCY</b>	<b>STABILITY</b>
@23.9 deg C	10	0
@ 93.3 deg C	40	0
@23.9 deg C after 93.3 deg c	10	0
<b>CHEMICAL CHARACTERISTICS</b>		
Sulphated ash (%wt), max	1.0	
Total Base No (min)	8.5	
Zinc % wt, min	0.09	
Detergent Metal	ca & mg	

**Performance Characteristics:**

**WAF P Super Plus 20W/50** is specially formulated to provide extremely rapid oil circulation through the engine under cold start conditions, thereby ensuring that the oil reaches heavily loaded area quickly. It must be noted that the most severe engine wears occurs during cold start conditions, thus any reduction in the time taken for the oil to circulate reduces wear during the critical period. The water/oil emulsion formed on the rocker can cover during low temperature operations is a phenomenon usually associated with modern oils.

**WAF P Super Plus** combines complete engine protection with a low tendency to form water/oil emulsions in the cooler parts of the engine.

**Benefits:**

**WAF P Super Plus** contains an advanced additive package which include the following:

- **Detergent/Dispersion additives**
- **Anti-Oxidant additive**
- **Anti-wear additive**
- **Corrosion inhibitor**
- **Anti-Foam additives**

**HANDLING, HEALTH AND SAFETY**

Lubricants consisting of highly refined mineral oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

**Pack size: 1, 4, 5, 25 and 205 litres, Bulk**