

**DESCRIPTION**

PETROMIN FLEETMASTER PLUS is premium top quality diesel engine oil meeting future, current and obsolete engine oil performance level, particularly European and American standards. It is an ideal mixed fleet engine oil meeting API CI-4/SL and ACEA E5/B3. The additive chemistry used in manufacturing PETROMIN FLEETMASTER PLUS is performance proven in the field.

**APPLICATION**

PETROMIN FLEETMASTER PLUS is mixed fleet engine oil for heavy-duty diesel vehicles and passenger cars. Its long drain capability meets the requirement of VOLVO, SCANIA, MAN, MERCEDES-BENZ, RVI/MACK, CATERPILLAR, RENAULT and CUMMINS manufacturers. It is recommended engine oil for both on-highway and off-highway vehicles fitted with new engines for low emissions and old engines of conventional design fuelled by low and high sulfur diesel fuels.

**BENEFITS**

- Mixed fleet engine oil for American, European and Japanese vehicles.
- Universal engine oil for old and new diesel engine fuelled by both high and low sulphur diesel.
- Proven field-tested engine oil meeting EGR criteria.
- Excellent TBN retention.
- Effective control over high temperature piston deposits and soot accumulation due to lower ash content.

**PERFORMANCE LEVEL**

API\* .. CI-4/CH-4/CG-4/CF-4/CF/SL/SJ  
 ACEA..... E5-02/B3-98 Issue 2  
 CAT..... ECF-1  
 MB\*..... 228.3  
 MAN\*..... M3275  
 VOLVO\*..... VDS-3/VDS-2  
 MACK..... EO – N  
 JASO..... DH-1 (Level)  
 RENAULT VI..... RLD-2  
 MTU/DDC..... Type 2  
 CUMMINS...20078/20077/20076/20072/20071  
 ALLISON..... C-4  
 Global DHD-1

\*Approved

**PRODUCT CHARACTERISTICS\***

PROPERTIES	UNITS	VALUE	TEST METHOD
<b>SAE Grade</b>	-	<b>15W-40</b>	-
Specific Gravity @ 15 °C	-	0.890	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	116.40	ASTM D-445
	mm <sup>2</sup> /s	15.30	ASTM D-445
Viscosity Index	-	141	ASTM D-2270
Flash Point, COC	°C	226	ASTM D-92
Pour Point	°C	-27	ASTM D-97
Base Number	mg KOH/g	11.4	ASTM D-2896
Sulphated Ash (max)	% wt.	1.5	ASTM D-874
MRV	cP	24040	-
CCS Viscosity @ -20 °C	cP	6600	ASTM D-5293
HTHS Viscosity @ 150 °C	cP	4.20	ASTM D-5481
<b>Product Code</b>	-	<b>2980</b>	-

\*The information and figures given here are typical of current production and conform to specifications, minor variations may occur.