

Eni MX 5217

Premium HDDO Additives Package



Eni MX 5217 is a premium additives package for Heavy Duty Diesel Oils designed for traditional engine technologies.

APPLICATIONS & PROPERTIES

- Eni MX 5217 additives package is suitable for blending high level performance heavy duty engine oils when formulated with the appropriate base stocks and Viscosity Modifier.
- Eni MX 5217 provides an API Quality CH-4 and CI-4 level and meets ACEA E4/E7 levels when formulated in Group I + Group III base stocks. It also meets the main OEMs specifications.
- Grade SAE formulations covered: 10W-30, 10W-40, 15W-40, 15W-50, 20W-50. Grades from 15W-40 are fully obtained with Group I base stocks.

TREAT RATE & PERFORMANCE CLAIMS

Specifications	13.6%	11.6%	9.6%
API	CH-4 CI-4 level	CH-4 level	CG-4/SJ
ACEA	E4/E7-12	E5-02 E7 level	E3-96
Mercedes Benz	MB 228.5*	228.3	MB 228.1
MAN	M 3277	M 3275	M 3275
MTU	Type 3 level	Type 2 level	Type 2 level
VOLVO	VDS-2		
Renault	Renault RVI RD		Renault RVI RD
Cummins	CES 20078 level	CES 20072 level	

(*) Official approval pending in group II/III formulation.



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TECHNICAL DATA

	Method	Unit	Value	
			min.	max.
Physical properties				
Appearance	-		clear liquid	
Density @ 15°C	ASTM D 4052	kg/m ³	970	
Viscosity @ 100°C	ASTM D 445	mm ² /sec	95	140
Flash Point	ASTM D 93	°C	100	
Chemical properties				
TBN	ASTM D 2896	mg KOH/g	76	98
Calcium	ASTM D 4951	% m	1.90	2.52
Magnesium	ASTM D 4951	% m	0.15	0.25
Zinc	ASTM D 4951	% m	0.80	1.05
Phosphorus	ASTM D 4951	% m	0.72	0.96
Nitrogen	ASTM D 5291	% m	0.77	1.09

HANDLING INFORMATION

- **storage:** the maximum handling and unloading temperature is 60°C; it is recommended that for long term storage the temperature should not exceed 50°C.
- **shelf life:** 24 months at ambient temperature and storage in adequate storage conditions (containers kept closed and set upright on pallets with the bungs on top. In case of open-air storage the drums on the top pallet must have a waterproof lid).
- **transport information:** the product is classified as not dangerous as far as naval, rail and road transportation is concerned.
- **safety & regulatory information:** : please see safety data sheet in [Eni web site eni.com](http://eni.com).

PACKAGING

- bulk
- IBC (1000 litres)
- drums (200 litres)

PRODUCTION SITE

Eni Robassomero plant
Via B. Buozzi 3
10070 Robassomero
Torino Italy



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