

Eni MX 5212

HDDO Additive Package



Eni MX 5212 is an additive package for Heavy Duty Diesel Oils designed for traditional engine technologies. It could be used also in Passenger Car Motor Oils.

APPLICATIONS & PROPERTIES

- Eni MX 5212 is recommended for blending high performance heavy duty engine oils when formulated with the appropriate base stocks and Viscosity Modifier.
- Eni MX 5212 can be used alone or with a specific booster (Eni MX 5612 A) to have a cascade system. It's flexibility allows different solutions even towards lower level performance lubricants and PCMOs.
- Grade SAE formulations covered: all monogrades, 10W-30, 10W-40, 15W-40, 15W-50 and 20W-50. Grades from 15W-40 are fully obtained with Group I base stocks.

TREAT RATE & PERFORMANCE CLAIMS

Treat Rate	API Specifications
6.95% + 1.20% Eni MX 5612A	CF-4/SM
6.95% + 0.50% Eni MX 5612A	CF-4/SL
6.95%	CF-4/SJ
5.35%	CF/SJ
5.10%	CF/SG
4.90%	CF/SF
4.50%	SG/CD
3.80%	SF/CD
3.60%	SF/CC
3.30%	SE/CC
3.10%	SD/CC
2.70%	SC/CC
1.80%	SB/CB



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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	190	265
Flash Point	ASTM D 93	°C	100	
Chemical properties				
TBN	ASTM D 2896	mg KOH/g	96	137
Calcium	ASTM D 4951	% m	2.75	3.90
Magnesium	ASTM D 4951	% m	0.16	0.24
Zinc	ASTM D 4951	% m	1.25	1.80
Phosphorus	ASTM D 4951	% m	1.13	1.60
Nitrogen	ASTM D 5291	% m	0.70	1.01

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 <https://msds.eni.com/AthosSDS/>

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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