

Eni MX 5212

cascade HDDO additive package



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

APPLICATIONS

- **Eni MX 5212** is recommended for blending high performance HDDO when formulated with the appropriate base stocks and Viscosity Modifier.
- **Eni MX 5212** can be used alone or with a specific booster (Eni MX 5616A) to have a cascade system. Its flexibility allows different solutions even towards lower level performance lubricants and PCMOs.
- Grade SAE formulations covered: 10W-30, 10W-40, 15W-40, 15W-50, and 20W-50. Grades from 15W-40 are fully obtained with Group I base stocks.

TREAT RATES

% wt	API Specifications
6.95% + 1.2% MX 5612A	CF-4/SM
6.95% + 0.5% MX 5612A	CF-4/SL
6.95%	CF-4/SJ
5.35%	CF/SJ
4.90%	CF/SF
4.50%	SG/CD
3.6%	SF/CC
2.70%	SC/CC
1.80%	SB/CB

TECHNICAL DATA

	Method	Unit	Typical
Appearance		-	clear liquid
Density at 15°C	ASTM D 4052	kg/m ³	970
B. N.	ASTM D 2896	mg KOH/g	116
Calcium	ASTM D 4951	% (m/m)	3.32
Zinc	ASTM D 4951	% (m/m)	1.52



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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 is 24 months at ambient temperature and in adequate storage, conditions (containers kept closed and set upright on pallets with bungs on top. In case of open-air storage, 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
- Drums

PRODUCTION SITE

eni Robassomero plant
Via Bruno Buozi, 3
10070 Robassomero
Torino Italy

