

# Eni MX 5113

advanced PCMO and 4-stroke additive package



**Eni MX 5113** is a premium additive package designed for advanced cars and 4-stroke motorcycles engine oil technologies operating under severe conditions and oriented to environmentally friendly oil formulations.

## APPLICATIONS

- **Eni MX 5113** additive package is suitable for blending high level performance, very high fuel economy cars and 4-stroke motorcycles engine lubricants when formulated with the appropriate base stocks and Viscosity Modifier.
- **Eni MX 5113** additive package is based on an innovative technology which provides excellent performance engine oil in different SAE grade formulations using Group I + Group III base stocks.
- **Eni MX 5113** meets JASO MA-2 specification as well.
- 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 RATES

- 7.5% wt

## PERFORMANCE CLAIMS

- Performance claims of **Eni MX 5113** are the following:

| Specifications | Performance |
|----------------|-------------|
| API            | SN/CF       |
| JASO           | MA-2        |

## TECHNICAL DATA

|            | Method | Unit of Measure | Values |     | Typical      |
|------------|--------|-----------------|--------|-----|--------------|
|            |        |                 | Min    | Max |              |
| Appearance |        | -               |        |     | clear liquid |





|                    | Method      | Unit of Measure    | Min  | Max  | Typical |
|--------------------|-------------|--------------------|------|------|---------|
| Density at 15°C    | ASTM D 4052 | kg/m <sup>3</sup>  |      |      | 990     |
| Viscosity at 100°C | ASTM D 445  | mm <sup>2</sup> /s | 107  | 161  |         |
| Flash point        | ASTM D 93   | °C                 | 100  |      |         |
| B. N.              | ASTM D 2896 | mgKOH/g            | 77   | 105  |         |
| Calcium            | ASTM D 4951 | %m                 | 1.92 | 2.72 |         |
| Magnesium          | ASTM D 4951 | %m                 | 0.10 | 0.17 |         |
| Zinc               | ASTM D 4951 | %m                 | 1.15 | 1.63 |         |
| Phosphorus         | ASTM D 4951 | %m                 | 1.04 | 1.46 |         |
| Nitrogen           | ASTM D 5291 | %m                 | 0.77 | 1.11 |         |

## 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
- Drums





## PRODUCTION SITE

Eni Robassomero plant  
Via Bruno Buozzi, 3  
10070 Robassomero  
Torino Italy



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