



# ELF HTX 830 0W-30

*100% synthetic lubricant for competition engines*



## Uses

- **ELF HTX 830** is a multigrade lubricant specially developed for 4-stroke petrol engines.
- **ELF HTX 830** is designed for engine performance in runs of short and medium duration.
- Due to its level of viscosity when hot (W-30), **ELF HTX 830** reduces wear on moving mechanical parts.
- **ELF HTX 830** is used for the following applications:
  - 4-stroke naturally-aspirated and turbocharged petrol engines.
- **ELF HTX 830** is perfectly suited for competitions of short and average length:
  - Circuit
  - Hill climb
  - Rally

## Characteristics

|                    | Typical values | Units              | Methods         |
|--------------------|----------------|--------------------|-----------------|
| Density at 15°C    | 0.8495         | g/ml               | NF EN ISO 12185 |
| Viscosity at 40°C  | 53.98          | mm <sup>2</sup> /s | ASTM D-445      |
| Viscosity at 100°C | 10.11          | mm <sup>2</sup> /s | ASTM D-445      |
| Viscosity HTHS     | 3.04           | mPa.s              | CEC L-036       |
| Flash point        | 232            | °C                 | NF EN ISO 2592  |



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**Properties**

| <b>Characteristics</b>                                     | → | <b>Technical gains</b>   | → | <b>Engine benefits</b>   |
|--|---|--|---|--|
| Very low <b>viscosity</b> (0W-30)                          | → | Serious reduction in <b>frictional loss</b>  | → | <b>Maximum power over entire speed range</b>   |
| Reversible high shear <b>viscosity (HTHS)</b>              | → | Less energy wasted through viscous <b>friction</b>   | → | <b>Spontaneous power gain at high and very high speeds</b>   |
| Optimized <b>formulation</b> matrix                        | → | High <b>de-airing</b> capacity   | → | <b>Perfect lubrication of mechanical parts</b><br><b>Greater compatibility with dry sump type technologies</b> |
| Addition of specific <b>frictional modifiers</b>           | → | Excellent <b>lubrication</b> at high and very high speeds                                      | → | <b>Maintains engine lubrication conditions to give maximum performance at high and very high speeds</b>        |
| <b>detergency</b> additive                                 | → | <b>Cleans</b> and keeps clean all shells, pistons, segments                                    | → | <b>Maintains initial engine power perfectly</b>  |
| <b>anti-wear</b> additive                                  | → | <b>Adsorption</b> on metal areas subject to very high pressure like tappets, cams and bearings | → | <b>Greater engine protection with impeccable reliability</b>   |
| <b>Dispersion</b> surfactant                               | → | Carbonaceous matter <b>kept in suspension</b>  | → | <b>Reduces clogging of filters</b>   |
| <b>Full synthetic</b> , mineral base content strictly zero | → | Increase in <b>thermal resistance</b>  | → | <b>Reliability gain</b>  |



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## ELF HTX 8xx

**ELF HTX 830** is miscible in any proportion with the whole 4-stroke engines lubricants ranges **ELF HTX 8xx** and **ELF HTX 38xx**.

In the ELF HTX 8xx range, **ELF HTX 830** is a performance-geared lubricant.

If the user is planning to introduce harsher conditions of use, we recommend **ELF HTX 840 (0W-40)** for even greater reliability.

## Recommendations

- **ELF HTX 840** works perfectly up to 13,000 rpm.
- Compatibility with the materials of the lubrication circuit:
  - No known incompatibility to date
  - Compatible in particular with silicon, fluorine, acrylic and nitrile type joints
- There is no specific precaution to take on first use of **ELF HTX 830** other than removing the previous lubricant and replacing the oil filter.
- The use of an external additive (like engine remetalling) is not recommended.

## Storage

To preserve its original properties, **ELF HTX 830** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.

## Glossary

For any further information relative to the technical aspects written in our Data Sheets, a glossary is on line on our website [www.acs.total.com](http://www.acs.total.com), racing fuels and lubricants section.

