



RACING & **Fuels & Lubricants**
INTERNATIONAL PRODUCT GUIDE



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ELF ATMO MAX

4-STROKE

 ATMO

- ➔ MAXIMUM PERFORMANCE
- ➔ HIGH COMBUSTION SPEED

OXYGEN CONTENT 3,60% m/m
RON 101,6
MON 86,9

ELF ATMO MAX is formulated with specific olefin compounds, which generate very high combustion speed. This racing fuel delivers excellent engine acceleration and power output.

ELF ATMO MAX is compliant with AMA® regulation and very much appreciated by US MX top teams.

It can also be used in former F1 cars.

APPLICATION : Former F1, US MX...

ELF CORE 50

2 & 4-STROKE

 ATMO &  TURBO

- ➔ MAXIMUM PERFORMANCE
- ➔ HIGH COMBUSTION SPEED

OXYGEN CONTENT 3,70% m/m
RON 102
MON 88

ELF CORE 50 can be used with the same engine mapping as for unleaded fuel. With suitable adjustments.

ELF CORE 50 provides significant power gains, while maintaining reliability. To get the most from this product, the spark advance should preferably be optimised.

ELF CORE 50 is compliant with AMA® regulation and very much appreciated by US MX top teams.

It can also be used in former F1 cars.

APPLICATION : Developed for all types of racing, this fuel meets the economic expectations of service station unleaded fuel users, while providing the quality and performance of a race fuel.



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MX PRODUCTS



ELF LMS

COMPLIANT WITH 2018 FIA APPENDIX J
& WITH FIM REGULATION

2 & 4-STROKE

ATMO & TURBO

→ PROTECTION AGAINST KNOCKING

→ EASY ENGINE MAPPING

OXYGEN CONTENT 2,6% m/m

RON 101,7

MON 89,4

ELF LM[®]S is a multipurpose, cost effective racing fuel. It can be used in 2-stroke and 4-stroke engines, turbo-charged and naturally aspirated. Easy to tune, this fuel is highly appreciated for its resistance to knocking.

ELF LM[®]S is an excellent control fuel that is widely used in major championships like Blancpain series (Endurance and Sprint), National series, Superkart, etc...

APPLICATION : Control fuel, Circuit...

Should be combined with either ELF HTX 909 or ELF HTX 976+ racing lubricants to get the best out of the engine

ELF MITS 46

COMPLIANT WITH FIM REGULATION

2-STROKE

ATMO

→ MAXIMUM PERFORMANCE

→ HIGH COMBUSTION SPEED

OXYGEN CONTENT 2,6% m/m

RON 101,5

MON 89,5

ELF MITS 46 is the first choice for 2-strokes karting and motorbikes racers. Made for specialists, it requires fine tuning of the engine.

This fuel is the outcome of advanced research based on ELF's expertise in former 2-strokes moto Grand Prix.

Owing to its specific formula, ELF MITS 46 offers exceptional anti-knock protection and enhances combustion at high speeds.

APPLICATION : Karting, MX...

LMS[®] has become the official control fuel of Blancpain GT series in 2017, 2018 & 2019



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ELF MOTO 2 FIM

COMPLIANT WITH FIM REGULATION

2-STROKE

ATMO

➔ MAXIMUM PERFORMANCE

➔ HIGH COMBUSTION SPEED

OXYGEN CONTENT 32,5% m/m

RON 101,6

MON 86,7

MOTO 2 FIM is the **ELF** range's basic FIM-compliant racing fuel.

Compared to service station fuels, it guarantees stable tuning and performance gains at an affordable price.

APPLICATION : Superbike, Supersport, Superstock, Motocross, Enduro, Sidecars

ELF MOTO 4S GP

COMPLIANT WITH FIM REGULATION

4-STROKE

ATMO

➔ MAXIMUM PERFORMANCE

➔ HIGH COMBUSTION SPEED

OXYGEN CONTENT 2,6% m/m

RON 100

MON 88

ELF MOTO 4S GP is directly based on ELF's expertise in MotoGP and offers maximum performance within the limits of FIM regulation.

Its specific olefin content gives a very high combustion speed that is particularly efficient at high rpm.

APPLICATION : Circuit, Motocross, WSBK, MotoGP, MXGP...

Regularly wins WSBK and MX races



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ELF MOTO 4T MAX

COMPLIANT WITH FIM REGULATION

4-STROKE

ATMO

- ➔ MAXIMUM PERFORMANCE
- ➔ HIGH COMBUSTION SPEED

OXYGEN CONTENT 2,6% m/m
RON 100,0
MON 88,0

ELF MOTO 4S GP is directly based on ELF's expertise in MotoGPTM and offers maximum performance within the limits of FIM regulation.

Its specific olefin content gives a very high combustion speed that is particularly efficient at high rpm.

APPLICATION : Circuit, Motocross, MotoGP, MXGP, WSBK...

Regularly wins WSBK and MX races

ELF PERFO 105

NO REGULATION

4-STROKE

TURBO

- ➔ OUTSTANDING PERFORMANCE
- ➔ HIGH OXYGEN CONTENT
- ➔ HIGHEST OCTANE NUMBER

OXYGEN CONTENT 16,5% m/m
RON >110,0 AKI 105,0
MON >97,0

ELF PERFO 105 is the fuel designed to provide the maximum octane number reachable for an unleaded racing fuel. Unfettered by technical regulations, it has been developed without any compromise. The performance results are spectacular for a large range of heavy loaded engines (up to 10% measured against competitors' unleaded fuel).

ELF PERFO 105 has particularly high octane numbers (RON>110) and oxygen compound content, which require specific mapping and increased injection flow rate. This fuel is much appreciated in the Drag racing community.

APPLICATION : Rally, Hill climb, Drag racing...



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ELF RACE 102

NO REGULATION

2 & 4-STROKE

ATMO & TURBO

- PROTECTION AGAINST KNOCKING
- CAN BE USED WITH ORIGINAL ENGINE MAPPING
- COST EFFECTIVE

OXYGEN CONTENT 3,7% m/m

RON >102,0

MON >88,0

ELF RACE 102 formulation guarantees a fuel with an octane number greater than 102 and with properties that remain stable over time. Developed for all types of racing, this fuel meets the economic expectations of unleaded 98 fuel users, while providing the quality and performance of a race fuel.

APPLICATION : Multipurpose...

Race technology you can't get at the fuel station : a major success since its launch in 2015 !

ELF TURBO REF

COMPLIANT WITH 2018 FIA APPENDIX J

4-STROKE

TURBO

- MAXIMUM PERFORMANCE
- HIGH PROTECTION AGAINST KNOCKING

OXYGEN CONTENT 3,6% m/m

RON 101,4

MON 86,5

ELF TURBO REF is the racing fuel reference on the market, optimized for turbocharged engines within the FIA regulation (Appendix J 2018), specifically designed for R5 engines.

With a choice of high energy content molecules allowing a high compression rate, **ELF TURBO REF** leads to an optimized cycle efficiency.

APPLICATION : WRC, R5, R4, R3, Gr A, Gr N,...

The new REFerence on the market!



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RACING FUELS

	AUTO	MOTO	KARTING	HISTORIC	4-STROKE	2-STROKE	TURBO	ATMO	CONTROL FUEL	FIA	FIM	NO REGULATION
ELF ATMO MAX	•	•	•	•	•			•				•
ELF CORE 50	•	•	•	•	•	•	•	•				•
ELF LM®S	•		•		•	•	•	•	•	•		•
ELF MITS 46		•	•			•		•			•	
ELF 2 FIM	•					•		•				
ELF MOTO 4S GP		•			•			•			•	•
ELF MOTO 4T MAX		•			•			•			•	
ELF PERFO 105	•				•		•					•
ELF RACE 102	•	•	•		•	•	•	•	•			•
ELF TURBO REF	•				•		•			•		

RACING LUBRICANTS

ENGINE	AUTO	MOTO	KARTING	4-STROKE	2-STROKE
ELF HTX 835 15W-40	•			•	
ELF HTX 840 0W-40	•			•	
ELF HTX 850 5W-50	•	•		•	
ELF HTX 860 10W-60	•	•		•	
ELF HTX 3821 0W-30		•		•	
ELF HTX 3835 5W-30		•		•	
ELF HTX 909 SAE 50			•		•
ELF HTX 976+ SAE 50		•	•		•

TRANSMISSION	COMMENTS
ELF HTX 735 75W-90	Medium duration race
ELF HTX 740 75W	Separate transmission
ELF HTX 755 80W-140	Long duration race

THE LEGEND GOES ON



elf 
LUBRICANTS





ELF HTX

ENGINE RANGE FOR BIKES

ELF HTX 38** product range is specially designed for wet clutch motorcycle applications with combined engine and transmission.

It contains the latest additive technology to protect gears for scuffing and pitting wear. It meets the requirement of the JASO standards to avoid slippage in wet clutch applications.

Those lubricants are directly based on ELF's experience in competition. They are especially designed to obtain maximum engine power.

ELF HTX 3821

0W-30

→ PERFORMANCE
● ● ● ● ○

→ ENGINE PROTECTION
● ● ● ● ○

ELF HTX 3835

5W-30

→ PERFORMANCE
● ● ● ● ○

→ ENGINE PROTECTION
● ● ● ● ●

ELF HTX3821 is specially designed to have maximum motor power in short races, such as sprint races, qualifications and rounds.

ELF HTX3821 By using the most modern "friction modifier" an enormous power gain is achieved. With car engines approx. 2-5 hp more depending on the number of cylinders. With motorcycle engines approximately 1.5-2.5 hp more ...

ELF HTX 3835 5W30 offers the maximum engine protection for outstanding reliability and maintain engine performance under prolonged heavy loading for 4-strokes motorcycles.



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ELF HTX

Transmission

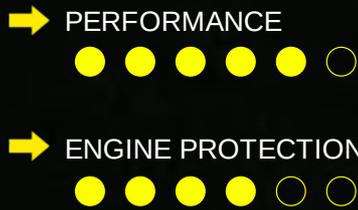
100% SYNTHETIC

ELF HTX lubricants provides optimum transmission protection and performances thanks to the combination of advanced chemical components carefully selected after years of experience in developing successful racing products.

ELF HTX lubricants are validated through severe testing in partnership with experienced racing organizations and teams.

ELF HTX 735

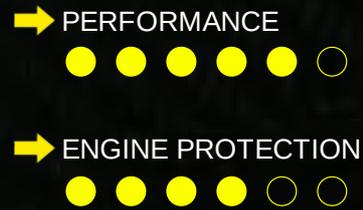
75W-90



ELF HTX 735 is an excellent compromise between performance and reliability.

ELF HTX 740

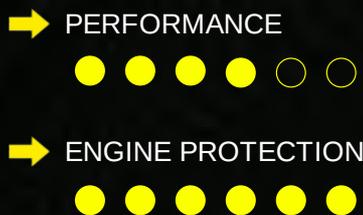
75W



ELF HTX 740 ensures ultra-quick speed changing in extreme conditions. The reference is perfectly suited to engines with separate transmissions.

ELF HTX 755

80W-140



Especially suited to heavy load and endurance use, ELF HTX 755 is recommended for lubricating differentials, axles and transmissions for long duration runs.





ELF HTX

ENGINE RANGE FOR CARS

100% SYNTHETIC

ELF HTX lubricants provides optimum engine protection and performances thanks to the combination of advanced chemical components carefully selected after years of experience in developing successful racing products. ELF HTX lubricants are validated through severe engine testing in partnership with experienced racing organizations and teams.

The polymers used in **ELF HTX** lubricants are specially designed to optimize oil film thickness within lubricated contacts in order to reduce friction losses and maintain engine reliability.

ELF HTX technology is the perfect balance between the performance and the engine protection.

ELF HTX 835

15W-40



ELF HTX835 provides optimal protection for high torque motors driving at very high temperatures

ELF HTX835 provides excellent reliability and performance under long-term, heavy loads

ELF HTX835 is the reference oil for short and medium matches, events.

ELF HTX835 is very suitable for Wet Couplings

ELF HTX 840

0W-40



ELF HTX 840 is designed for engine performance in short and medium length races, and offers a high level of protection. It is the excellent compromise between engine performance and protection.

ELF HTX 850

5W-50



ELF HTX 850 offers high engine protection for outstanding reliability and maintain engine performance under prolonged heavy loading.

ELF HTX 860

10W-60



ELF HTX 860 offers the maximal engine protection for outstanding reliability and maintain engine performance under prolonged heavy loading.



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ELF HTX

2 STROKE

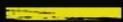
The **ELF HTX 9**** has a remarkable thermal stability and antioxidant properties, it offers exceptional resistance at high running temperatures.

In addition to providing a great protection against seizing, those racing lubricants bring top performances.

ELF HTX 9** is a reference range of product in the Karting and Motorcycle world! Those lubricants are specially developed for 2-stroke racing engines used in a blend with leaded or unleaded fuel. The perfect match with ELF racing fuels.

ELF HTX 909

SAE 50



SYNTHETIC WITH RICIN

Based on ricin oil technology, **ELF HTX 909** provides exceptional protection against seizing. It is recommended for engines running at very high speeds (up to 25,000 rpm), especially for Karts and Motocross racing.

ELF HTX 976+

SAE 50



100% SYNTHETIC

ELF HTX 976+ provides optimum protection against gripping and pinking.



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