

# About ELF

## Brand History From 1960, Facts Today

We Have Been Engineered To Power Success

A brand of passion

### 1967

ELF's story began in France, 1967, as a government-owned corporation. We first caught the world's attention when we plastered our huge 'red circles' on Union Générale des Pétroles' networks' oil tanks and petrol stations.

That was the beginning of ELF's rise to become a global leader in lubricant technology. At the start, we were powered by the mere simple idea of producing quality lubricants for vehicles. Over the years, we recognized our potential to revolutionize the quality of drives forever, and our ambition grew.



### We Are Constantly Moving Ahead

### 1994

Initially, ELF was owned by the French Government until 1994 when its ownership was transferred to a privately owned corporation.

### 2000

In 2000, ELF merged with lubricant powerhouse Total, the fourth largest energy company in the world, which has expanded our operations to across the globe.

ELF lubricants today have:

- **6** ranges, more than **100** products
- Distributed in more than **90** countries
- **41** production plants

# ELF

## A Brand Of Passion

### RACING IS IN OUR DNA

ELF has been at the heart of motorsport success since 1968.

Similar to the sport, we revel in the thrill of pushing boundaries and breaking limits. Our involvement in motorsport competitions over the years has rooted us as key players in lubricant technology. ELF's many victories over 50 years in motorsport fuel our ambition to produce the most exceptional products and services. Together with our partners, we continue to develop more enduring, fuel-saving, and cleaner solutions.

We collaborate with top international manufacturers who share our love for racing, such as Renault, Nissan, Kawasaki and Dacia. We play a critical role in our partnership with the Alpine A470, which we have taken to the FIA World Endurance Championship and the Alpine ELF Europa Cup.

Racing, a test of endurance, requires lubricants of the highest caliber and latest standards. We test our lubricants against these harsh racing conditions to perfect them. Our customers can have confidence that ELF lubricants will awaken the full passion, adrenaline, and sensations of motorsport, in any vehicle on any road.

**ELF has become a key player in the world of competition as a partner of its greatest victories.**

Our standout wins include:

- 1968** | ELF sponsors Matra-Ford MS10 on the Dutch circuit, Zandvoort, at the F1 World Championship. Emerges as victor.
- 1969** | ELF clinches titles of F1 'World Champion' and F1 'World Champion Constructors' titles.
- 1970** | ELF enters competition with Renault. The two brands sign a contract to develop a high-performance engine.
- 1971** | Renault and ELF win the Monte-Carlo rally, the French Championship and the International Rally Championship.
- 1974** | ELF sponsors the legendary 6-wheeled Ford Tyrrell P34 at Swedish Grand Prix.
- 1978** | ELF sponsors the Renault Alpine V6, fashioned in ELF's brand colours, at 24 Hours of Le Mans. Emerges as victor.
- 1985** | ELF stands on the podium at the F1 Grand Prix.
- 1989** | Renault enters F1 again with Williams, accompanied by ELF.
- 1992** | The Renault-Williams-ELF trio wins the 'World Champion' and 'World Champion Constructors' titles.
- 2020** | ELF starts the Signatech-Alpine-ELF Partnership.

## Our Track Record

- **156** Victories in Grand Prix
- **9** Manufacturer Titles
- **10** Pilot Titles






# ELF Values

## Core Values

Creating Exceptional Drive Exhilarates Us

A brand of passion



ELF has found success globally because we have stayed true to our core values. We lead every project with Passion, Expertise, and Premium, with the goal of making every drive a real moment of pleasure.

### PASSION

Drawing from our passion for motorsport, we want to integrate the same excellence, adventure, and athleticism into every drive to give customers heightened experiences that stir emotions and create sensations typically felt only on a racetrack.

### EXPERTISE

Fundamentally inspired by R&D, we strive to be specialists in our field by constantly anticipating, exploring, innovating, and daring to be different.

### PREMIUM

We are strongly anchored in the public consciousness in many markets as a brand of status, prestige, and elegance. Our dignified and restrained approach to developing high-value products has attracted a community of driving enthusiasts.



# ELF Development

A brand of passion

ELF has dedicated lines of lubricants for cars, motorcycles and heavy-duty vehicles.

ELF products are conceived in 2 research and technical centers:

- CRES (Solaize, France)
- TCAP (Mumbai, India)



1976

## PRESTI ANTI-WEAR

Launched Presti Anti-wear, the first lubricant on the market to be offered in 15W grades

1979

## DETERGENT OIL

Launched the first detergent oils for diesel engines



1993

## ELF COMPETITION SX 10W-30

ELF Competition SX 10W-30 the first fuel saving lubricant



2000

## ELF EVOLUTION & ELF EXCELLIUM

Launched ELF Evolution, the second generation fuel-saving lubricant. ELF Excellium for recent direct injection technology engines



2004

## ELF EXCELLIUM XXL

Launched ELF Excellium XLL and ELF Excellium LSX

2007

## ELF SOLARIS

Launch of the low ash lubricant, ELF SOLARIS DPF



2013

## ELF EVOLUTION

Product names reorganization from a more streamlined range

2020

## THE NEW LUB PROJECT

Launched new packaging with reduced plastics and enhanced ergonomics





# New ELF Packaging Highlights

## New Cap Strategy

We are offering new, improved closures for our products using Ring Peel Liner technology for anti-counterfeit

## Big Side Handle

Facilitates pouring and handling

## Larger Labels

More space to display and read product information, benefits and technical details

## Lighter Pack

The weight of the packaging has been reduced which will prevent the emission of 9,500 tons of CO2 equivalent each year owing to raw materials savings

## QR Code

A new QR Code to allow product identification by the customer and prevent counterfeit product



# Advanced Technology Lubricants

ELF has a strong expertise in lubricants and is deeply engaged in high-end cleaner lubrication for mobility.

Our competitive edge is our consistent R&D efforts towards making technical and technological innovations. That is how we can continue producing high performance and effective oils designed to protect engines.



## Fuel Economy Lubricants

ELF's Fuel Economy lubricants improve vehicle and equipment performance while significantly reducing environmental impact and running costs. (i.e. lower fuel consumption, fewer CO2 emissions, more engine protection, less wear)



## Low SAPS Lubricants

ELF low SAPS lubricants cater to the needs of the most up-to-date engines, enabling their depolluting systems to operate at maximum capacity to reduce environmental impact. (i.e. low levels of sulphated ash, phosphorus and sulphur (SAPS))



# ELF EVOLUTION Range Nomenclature



EVOLUTION  
**300**  
Mineral Technology  
**Protection**  
The assurance and reliability  
of an established brand



EVOLUTION  
**400**  
Mineral Technology  
**Protection and reliability**  
The assurance and reliability  
of an established brand



EVOLUTION  
**500**  
Advanced Mineral Technology  
**Extra protection and reliability**  
A part of the premium range  
performance for older cars



EVOLUTION  
**700**  
Synthetic-Based Technology  
**Superior protection  
and reliability**  
Recent car models and  
demanding technical  
requirements



EVOLUTION  
**900**  
Synthetic Technology  
**High protection and  
ultimate performance**  
Recent car models and  
demanding technical  
requirements



EVOLUTION  
**FULL-TECH**  
Synthetic Technology  
**Latest generation technology  
and ultimate performance**  
Recent car models and  
demanding technical  
requirements

**PREMIUM**

**STANDARD**



# Label Architecture

- Sub-segments
- Identification Colour
- ELF Logo
- Range Name
- Denomination
- Viscosity/Grade
- Specific Characteristic Of The Product
- QR Code
- Valorization Pictogram/ International Specification



## Front Label Architecture

The valorization pictograms placed in the area provided for this purpose from left to right at the bottom on the base line of capacity. Product information is aligned to the right with one piece of information on top of the other.

- ELF Logo
- Range Name
- Denomination
- Viscosity Grade
- Technology
- Homologation And International Specification
- Product Description
- Sub-segments
- Identification Colour
- Capacity



















## Back Label Architecture

The back of the label is composed of 3 big areas

# EVOLUTION FULL-TECH PRODUCTS







Latest generation technology and ultimate performance  
Recent car models and demanding technical requirements

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	FUEL ECONOMY/ LOW SAPS
EVOLUTION FULL-TECH <b>APX</b>	0W-20	Synthetic Technology	ACEA C5 API SN ILSAC GF-5	BMW LL-17 FE+, STJLR.51.5122		 
EVOLUTION FULL-TECH <b>VSX</b>	0W-20	Synthetic Technology	ACEA C5	VW 508.00/509.00, Porsche C20		 
EVOLUTION FULL-TECH <b>LLX</b>	0W-30	Synthetic Technology	ACEA C3	VW 504.00/507.00, Porsche C30		 
 EVOLUTION FULL-TECH <b>FDX</b>	0W-30	Synthetic Technology	ACEA C2	FORD WSS-M2C950-A, STJLR.03.5007		 
 EVOLUTION FULL-TECH <b>FEX</b>	5W-20	Synthetic Technology	ACEA C5 API SN/CF	FORD WSS-M2C948-B, STJLR.03.5004		
 EVOLUTION FULL-TECH <b>DID</b>	5W-30	Synthetic Technology	ACEA C3 API SN/CF	VW 505.00/505.01 MB-Approval 229.52	GM Dexos 2	
EVOLUTION FULL-TECH <b>DTX</b>	5W-30	Synthetic Technology	ACEA C2 / C3 API SN / CF	MB-Approval 229.52	GM Dexos 2	
EVOLUTION FULL-TECH <b>FE</b>	5W-30	Synthetic Technology	ACEA C4	RN0720, MB-Approval 226.51, MB-Approval 229.51	Fiat 9.55535-S4	 
EVOLUTION FULL-TECH <b>LLX</b>	5W-30	Synthetic Technology	ACEA C3	VW 504.00 / 507.00, BMW LL-04, MB-Approval 229.51, Porsche C30		 
EVOLUTION FULL-TECH <b>MSX</b>	5W-30	Synthetic Technology	ACEA C3 API SN PLUS / CF	BMW LL-04, MB-Approval 229.52, OPEL-VAUXHALL OV0401547	GM Dexos 2, VW 505.01, Suitable for KIA	
EVOLUTION FULL-TECH <b>LSX</b>	5W-40	Synthetic Technology	ACEA C3 API SN / CF	MB-Approval 229.51, PORSCHE A40, VW 505.01	Fiat 9.55535-S2, FORD-WSS-M2C917-A, GM Dexos 2	



EVOLUTION  
900 PRODUCTS

High protection and ultimate performance  
Recent car models and demanding technical requirements

COMMERCIAL NAMES		VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	FUEL ECONOMY/ LOW SAPS
 EVOLUTION 900 <b>FTX SP</b>		0W-20 5W-30	Synthetic Technology	API SP ILSAC GF-6A			
EVOLUTION 900 <b>FT</b>		0W-30	Synthetic Technology	ACEA A3/B4 API SL/CF	VW 502.00 / 505.00, RN0700 / RN0710 MB-Approval 229.5		
EVOLUTION 900 <b>FT</b>		0W-40	Synthetic Technology	ACEA A3/B4 API SN/CF	VW 502.00 / 505.00, RN0700/0710 MB-Approval 229.5, MB-Approval 226.5 FORD WSS-M2C937-A, PORSCHE A40		
EVOLUTION 900 <b>SXR</b>		5W-30	Synthetic Technology	ACEA A5/B5 API SL/CF	RN0700 (except 2.0 16V Renault Sport, 2.0 T Renault Sport, V6 Renault Sport), FORD WSS-M2C913-D (back-compatible) FORD WSS-M2C913-C, STJLR 03.5003		
 EVOLUTION 900 <b>USX</b>		5W-30	Synthetic Technology	API SP ILSAC GF-6A	Dexos 1™ Gen 2 FORD WSS-M2C961-A1		
EVOLUTION 900 <b>FT</b>		5W-40	Synthetic Technology	ACEA A3/B4 API SN/CF	VW 502.00 / 505.00 PORSCHE A40 MB-Approval 229.5 RN0700/RN0710	FIAT 9.55535-M2, CHRYSLER MS-12991	
EVOLUTION 900 <b>FTA</b>		5W-40	Synthetic Technology	API SN			
EVOLUTION 900 <b>NF</b>		5W-40	Synthetic Technology	ACEA A3/B4 API SL/CF	VW 502.00 / VW 505.00, MB-Approval 229.3		
EVOLUTION 900 <b>SXR</b>		5W-40	Synthetic Technology	ACEA A3/B4 API SN/CF	RN0710 / RN0700, MB-Approval 229.5, PORSCHE A40, VW 502.00 / VW 505.00, PSA B71 2296	FIAT 9.55535-M2, CHRYSLER MS-12991	
EVOLUTION 900		5W-50	Synthetic Technology	API SG / CD			
EVOLUTION 900 <b>FT</b>		5W-50	Synthetic Technology	API SN			

# EVOLUTION 700 PRODUCTS

Superior protection and reliability  
Recent car models and demanding technical requirements

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	FUEL ECONOMY/ LOW SAPS
EVOLUTION 700 <b>FT</b>	5W-40 10W-40 15W-50	Synthetic-Based Technology	API SN			
 EVOLUTION 700 <b>FTX SP</b>	5W-30	Synthetic-Based Technology	API SP ILSAC GF-6A			
EVOLUTION 700 <b>ST</b>	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SN / CF	VW 501.01 / 505.00 RN0700/0710	MB-229.3, Fiat 9.55535-G2	
EVOLUTION 700 <b>STI</b>	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SN / CF	VW 501.01 / 505.00, RN0700/0710 PSA B71 2300 (backward compatible B71 2294)	MB-229.3, FIAT 9.55535-G2	
EVOLUTION 700 <b>TD</b>	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SN / CF	VW 501.01 / 505.00 RN0700/0710	MB-229.3, Fiat 9.55535-G2	
EVOLUTION 700 <b>ST</b>	15W-50	Synthetic-Based Technology	ACEA A3 / B4 API SN / CF	VW 501.01 / 505.00	MB-229.1	

# EVOLUTION 500 PRODUCTS

Extra protection and reliability  
A part of the premium range performances for older cars

 EVOLUTION 500 <b>FTX SP</b>	10W-30	Advanced Mineral Technology	API SP ILSAC GF-6A			
EVOLUTION 500 <b>FT</b>	10W-40 15W-40 15W-50 20W-50	Advanced Mineral Technology	API SN / CF			
EVOLUTION 500 <b>DIESEL</b>	15W-40	Advanced Mineral Technology	ACEA A3 / B3 API SL / CF		MB-229.1, VW 505.00, suitable for Renault	
EVOLUTION 500 <b>TS</b>	15W-40	Advanced Mineral Technology	ACEA A3 / B3 API SL / CF		MB-229.1, VW 501.01 / 505.00	
EVOLUTION 500 <b>TURBO DIESEL</b>	15W-40	Advanced Mineral Technology	ACEA A3 / B3 API SL / CF		MB-229.1, VW 501.01 / 505.00	
EVOLUTION 500 <b>TS</b>	20W-50	Advanced Mineral Technology	ACEA A3 / B3 API SL / CF		MB-229.1, VW 501.01 / 505.00	



# EVOLUTION 400 PRODUCTS

Protection and reliability  
The assurance and reliability of an established brand

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	FUEL ECONOMY/ LOW SAPS
EVOLUTION 400	10W-30 15W-40 20W-50	Mineral Technology				

# EVOLUTION 300 PRODUCTS

Protection  
The assurance and reliability of an established brand

EVOLUTION 300	15W-40	Mineral Technology	API SJ / CF			
EVOLUTION 300	20W-50	Mineral Technology	API SF / CD			
EVOLUTION 300 <b>CNG</b>	20W-50	Mineral Technology	API SG / CD			
EVOLUTION 300 <b>FT</b>	15W-40 20W-50	Mineral Technology	API SJ / CF			
EVOLUTION 300	SAE 40	Mineral Technology	API SJ / CF			
EVOLUTION 300	SAE 50	Mineral Technology	API SF / CD			

# ELF Products Dedicated To Renault



## EVOLUTION R-TECH

**Specs: RN homologated**  
Target Sales Channel:  
Renault network



## EVOLUTION FULL-TECH R

**Specs: RN homologated**  
Target Sales Channel:  
Independent Garage



## EVOLUTION PRO-TECH

**Specs: ACEA & API Only**  
Target Sales Channel:  
Renault network



## SPORTI 9 R

**Specs: Meet the requirements of RN specs**  
Target Sales Channel:  
Auto centers, spare parts  
platforms, supermarkets etc.



EVOLUTION R-TECH

Specs: RN homologated, Target Sales Channel: Renault network

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	FUEL ECONOMY/ LOW SAPS
EVOLUTION R-TECH <b>ELITE FE</b>	0W-20	Synthetic Technology	ACEA C5	RN17 FE	 
EVOLUTION R-TECH <b>SPORT</b>	0W-40	Synthetic Technology	ACEA C3	RN0710, RN17 RSA	 
EVOLUTION R-TECH <b>ELITE</b>	5W-30	Synthetic Technology	ACEA C3	RN17 (Backward compatible: RN0700, RN0710)	
EVOLUTION R-TECH <b>FE</b>	5W-30	Synthetic Technology	ACEA C4	RN0720	 

EVOLUTION PRO-TECH

Specs: ACEA & API Only, Target Sales Channel: Renault network

EVOLUTION PRO-TECH <b>C3</b>	5W-30	Synthetic Technology	ACEA C3		
EVOLUTION PRO-TECH	5W-40	Synthetic Technology	ACEA A3 / B4 API SL / CF		
EVOLUTION PRO-TECH	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SL / CF		
EVOLUTION PRO-TECH	15W-40	Advanced Mineral Technology	ACEA A3 / B3 API SL / CF		

EVOLUTION FULL-TECH R

Specs: RN homologated, Target Sales Channel: Independent Garage

EVOLUTION FULL-TECH <b>R</b>	5W-30	Synthetic Technology	ACEA C3	RN17	
 EVOLUTION FULL-TECH <b>R FE</b>	0W-20	Synthetic Technology	ACEA C5	RN17 FE	 

SPORTI 9 R

Specs: Meets the requirements of RN specs  
Target Sales Channel: Auto centers, spare parts platforms, supermarkets

SPORTI <b>9 R</b>	5W-30	Synthetic Technology	ACEA C3	Meet the requirements of RN17	
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# ELF SPORTI

## Range Nomenclature



SPORTI  
**5**  
Mineral Oil

The assurance, reliability and protection of an established brand



SPORTI  
**7**  
Synthetic-Based Oil

Protection and reliability for extended drain intervals

SPORTI  
**9**  
Synthetic Oil Technology

For recent cars models demanding technical requirements. High protection.



# Label Architecture

Segment  
Identification Colour

ELF Logo

Range Name

Denomination

Technology Used

Fuel Eco and/or Particulate  
Filter Picto

Norms

Viscosity

Capacity

QR Code

Application Pictogram

ELF Logo

Range Name

Denomination

Viscosity/Grade

Technology Used

Product Description

Manufacturer  
Homologation

Capacity

Segment  
Identification Colour

## Verso Label Design

Product information is aligned to the left with one piece of information on top of the other. The valorization pictograms placed in the area provided for this purpose from left to right at the bottom of this information. In case there are no pictograms and/or homologation, the information is placed at the bottom on the baseline of the capacity.

## Back Label Architecture

The back of the label is composed of 3 main areas.

SPORTI PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM PROFILE	FUEL ECONOMY/ LOW SAPS
SPORTI 9 LONG LIFE	5W-30	Synthetic Technology	ACEA C3 API SN / CF	Meets the requirements of BMW LL-04, MB-229.51, VW 504.00, VW 507.00	
SPORTI 9 C4	5W-30	Synthetic Technology	ACEA C4	Meets the requirements of MB-229.51, RN0720	 
SPORTI 9 C3	5W-40	Synthetic Technology	ACEA C3 API SN / CF	Meets the requirements of MB-229.51, FIAT 9.55535-GH2 ,FIAT 9.55535-S2, FORD WSS-M2C 917-A, GM Dexos 2, VW 505.01	
SPORTI 9 C3	5W-30	Synthetic Technology	ACEA C3 API SN / CF	Meets the requirements of BMW LL-04, CHRYSLER MS-11106, MB-229.52, GM Dexos 2, Suitable for HYUNDAI KIA MOTORS	
SPORTI 9 C2/C3	5W-30	Synthetic Technology	ACEA C2 / C3	Meets the requirements of MB-229.52, GM Dexos 2	 
SPORTI 9 C2	5W-30	Synthetic Technology	ACEA C2	Meets the requirements of PSA B71 2290	 
SPORTI 9 C1	5W-30	Synthetic Technology	ACEA C1	Meets the requirements of FORD WSS-M2C 934-A ,WSS-M2C 934-B	 
SPORTI 9 A5/B5	5W-30	Synthetic Technology	ACEA A5 / B5 API SL / CF	Meets the requirements of FORD WSS-M2C 913-D (Backward compatible to WSS-M2C 913-C)	
SPORTI 9	5W-40	Synthetic Technology	ACEA A3 / B4 API SN / CF	Meets the requirements of CHRYSLER MS-12991, MB-229.3, FIAT 9.55535-M2, PSA B71 2296,RN0700 ,RN0710, VW 502.00, VW 505.00	
 SPORTI 9 GF6	0W-20 5W-30	Synthetic Technology	API SP ILSAC GF-6A		
SPORTI 7 A3/B4	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SL / CF	Meets the requirements of MB-229.1, PSA B71 2294 ,PSA B71 2300, RN0700, VW 501.01 ,VW 505.00	
SPORTI 5	15W-40	Mineral Technology	ACEA A3 / B3 API SL / CF		



SPORTI TXI PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	OEM PROFILE	FUEL ECONOMY/ LOW SAPS
SPORTI TXI	5W-30	Synthetic Technology	ACEA A5 / B5 API SL / CF		
SPORTI TXI	5W-40	Synthetic Technology	ACEA A3 / B4 API SL / CF		
SPORTI TXI	10W-40	Synthetic-Based Technology	ACEA A3 / B4 API SL / CF		
SPORTI TXI	15W-40	Mineral Technology	ACEA A3 / B3 API SL / CF		
SPORTI TXI	20W-50	Mineral Technology	ACEA A3 / B3 API SL / CF		

# Motorcycle Lubricant Technologies



Untreated mineral refining  
(group 1)

Good value for money



Untreated mineral refining  
(group 1)  
Mineral refining with chemical  
treatment: molecule conversion  
(group 3)

A high-quality lubricant,  
adapted to common  
conditions of use  
(short or long trips)



Mineral refining with chemical  
treatment: molecule conversion  
(group 3)

A very high-quality lubricant,  
adapted to demanding  
conditions of use  
(short or long trips)

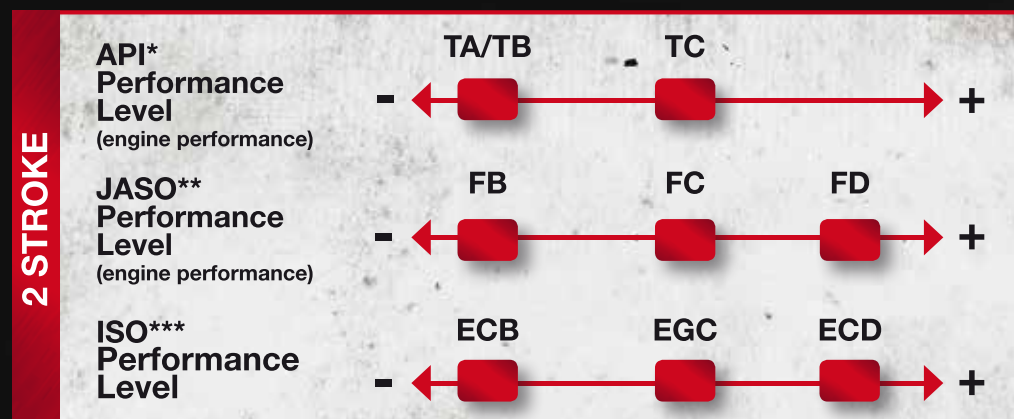


Synthetic oils without  
mineral refining  
PAO oils are produced  
using 100% synthetic  
molecules (groups 4 and 5)

We recommend them for  
intensive motorcycle  
use and we especially  
recommend PAOs for  
competition and sports uses



# Leisure Range 2/4 Strokes: API, JASO, ISO Explanation



The 2-stroke engine oils have to satisfy supplementary requirements:

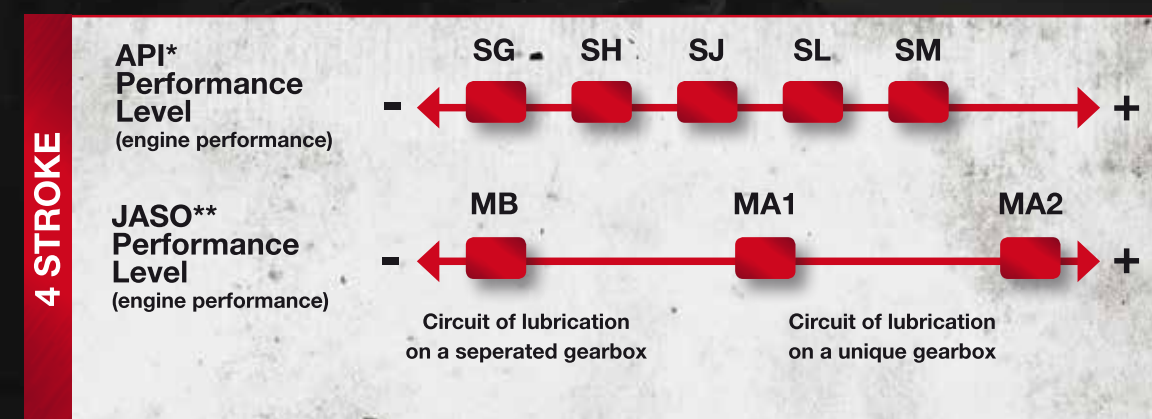
Higher temperature resistance, gasoline solubility, to burn without loosening of smoke and without producing deposits; they are sorted TA, TB and TC according to their performances.

## API\*

The American Petroleum Institute established a classification of oils according to several criteria as the dispersive power, the detergence power, the wear resistance or anti-oxidation and anticorrosive protection power.

## JASO\*\*

It means Japanese Automotive Standard Organisation. The JASO attributes a JASO label after analysis of the oil. When a lubricant responds successfully to all tests, the Japanese Automotive Standard Organization awards a certificate and a number of accreditations. This number has to appear on the packaging in the form of a definite logo.



According to its performances, the oil inherits a letter after the S (for Service):

SA, SB, SH, SJ, SL...the more the letter is further away in the alphabet sequence, the better the performance!

## ISO\*\*\*

The ISO proposes an international project of specification, three categories being ISO-L-EGB, ISO-LEGC and ISO-L-EGD in increasing order of requirement.

# ELF 4-Stroke Products

## Range Nomenclature





# ELF 2-Stroke Products

## Range Nomenclature



# Label Architecture

## 2-Stroke/4-Stroke Indication

- 2T (2-stroke): silver background/ white text
- 4T (4-stroke): white background/ silver text

## Moto Or Scooter Visual

The illustration changes according to type of machine and utilization.

## Motorcycle Colour

The colour changes according to the lubricant technology:

- **RED**: 100% Synthetic and Synthetic Technology
- **ORANGE**: Synthetic-Based
- **YELLOW**: Mineral

## Scooter Colour

- **BLUE** : All scooter lubricants

## Viscosity Grade

## Product Name

## Technology

## Volume

## Technology Scale

We indicate the lubricant technology with a cursor system to help customers immediately identify the product within the range and to implicitly encourage upgrading.

## Use

Reassurance: a “checkbox” system indicates the types of engines for which the lubricant is intended in order to inform and reassure end users.

## Moto Or Scooter Visual

Front Face Visual

## Product Name

## Viscosity Grade Technology Scale

## Description By Country

The colour of the country name abbreviations and separating lines change depending on the lubricant technology.

## JASO Standard Pictogram

The outline colour changes depending on the lubricant technology.

## Volume





# 4-STROKE PRODUCTS

## MOTORCYCLE OILS



COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS
MOTO 4 <b>RACE</b>	10W-60	100% Synthetic	API SN, JASO MA2
MOTO 4 <b>PRO TECH</b>	5W-40	Synthetic Technology	API SN, JASO MA2
MOTO 4 <b>TECH</b>	10W-50	Synthetic Technology	API SN, JASO MA2
MOTO 4 <b>ROAD</b>	10W-40 15W-50	Synthetic-Based	API SN, JASO MA2
MOTO 4 <b>TWIN TECH</b>	20W-60	Synthetic-Based	API SN, JASO MA2
MOTO 4 <b>CRUISE</b>	20W-50	Premium Mineral	API SL, JASO MA2
MOTO 4 <b>GOLD</b>	15W-50 20W-50 20W-40	Premium Mineral	API SL, JASO MA2
MOTO 4 <b>GOLD</b>	10W-40 15W-40	Premium Mineral	API SN, JASO MA2
MOTO 4 <b>PRO</b>	10W-30 15W-40 20W-40 20W-50	Mineral	API SG, JASO MA
MOTO 4	10W-30 20W-40	Mineral	API SF

## SCOOTER OILS



SCOOTER 4 <b>MAXI CITY</b>	5W-40	Synthetic Technology	API SL
SCOOTER 4 <b>CITY</b>	10W-40	Synthetic-Based	API SN, JASO MB
MOTO 4 <b>SCOOTER</b>	10W-30 20W-40	Premium Mineral	API SL, JASO MB

# 2-STROKE PRODUCTS

## MOTORCYCLE OILS



COMMERCIAL NAMES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS
MOTO 2 <b>RACE</b>	100% Synthetic	
MOTO 2 <b>RACING</b>	Synthetic Technology	API TC, JASO FD
MOTO 2 <b>TECH</b>	Synthetic Technology	API TC, JASO FD
MOTO 2 <b>OFF ROAD</b>	Synthetic-Based	API TC, JASO FD
MOTO 2 <b>TEMPS</b>	Synthetic-Based	API TC, JASO FD
MOTO 2 <b>SELF MIX</b>	Premium Mineral	API TC, JASO FB









## SCOOTER OILS









SCOOTER 2 <b>STREET MAX</b>	Synthetic Technology	API TC, JASO FD
SCOOTER 2 <b>STREET</b>	Synthetic-Based	API TC, JASO FD
SCOOTER 2 <b>SELF MIX</b>	Premium Mineral	API TC, JASO FB



BIKE CARE  
PRODUCTS

COMMERCIAL NAMES		TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	MARKETING DESCRIPTION
	MOTO <b>GEAR OIL 10W-40</b>	Synthetic-Based	API SJ	Synthetic-Based oil specially developed for gearboxes on 2-stroke motorcycles. It provides enhanced protection for gearboxes and optimum safety when changing gears.
	MOTO <b>FORK OIL SYN 2</b>	100% Synthetic		100% synthetic oil for forks and shock absorbers, it provides for maximum safety even under severe usage. Suitable for road and all-terrain motorcycles.
	MOTO <b>GEAR OIL 80W-90</b>	Mineral	API GL 5	Mineral Oil specially developed for the gearboxes of 4-stroke motorcycles, it provides optimum safety when changing gears.
	MOTO <b>FORK OIL</b>	Mineral		Mineral oil for motorcycle forks and shock absorbers. It ensures optimum safety for the suspension system of road and all-terrain motorcycles.
	MOTO <b>COOLANT ORGANIC</b>	Organic	AFNOR NFR 15-601, ATSM D3306, BS 6580	100% organic cooling liquid, exceptional anti-corrosion protection for light alloy circuits (aluminium, magnesium...). Protection for all parts of the cooling system, down to -26°C. Non-aggressive.
	MOTO <b>COOLANT MINERAL</b>	Mineral	AFNOR NFR 15-601, BS 6580	Mineral cooling fluid. Optimum protection of the circuits, prevents corrosion in the sump in order to ensure engine longevity. Protection against freezing down to -26°C. Does not damage paint in case of contact.
	MOTO <b>BRAKE FLUID DOT 5.1</b>	100% Synthetic	FMVSS 116 DOT 5.1	Very high-performance synthetic brake fluid. Silicone-free, for all braking systems, it ensures optimum safety. Can be mixed with all other synthetic liquids of a chemical nature of type dot 3, dot 4 and dot 5.1, with the exception of dot 5 fluids with silicone and special liquids of the LHM type.
	MOTO <b>BRAKE FLUID DOT 4</b>	100% Synthetic	FMVSS 166 DOT 4	High-performance brake fluid. Stable and non-compressible at all temperatures, it ensures optimum safety. Can be mixed with all other synthetic liquids of a chemical nature of type dot 3, dot 4 and dot 5.1, with the exception of dot 5 fluids with silicone and special liquids of the LHM type.

BIKE CARE  
PRODUCTS

COMMERCIAL NAMES		TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	MARKETING DESCRIPTION
	MOTO <b>AIR FILTER OIL</b>	Blue Colour		Penetrating oil for foam air filters. It has been specially developed to reduce the risks of breakdown and to extend engine life. Blue in colour.
	MOTO <b>CHAIN LUBE</b>	Spray		Very high performance grease for transmission chains. Its formulation has been specially developed in order to ensure optimum lubrication under the most severe usage conditions. Successfully tested during Motorcycle Grand Prix races and Rally Raids.
	MOTO <b>MULTILUBE+</b>	Spray		Multi-function aerosol. Lubricates, cleans and protects all of your motorcycle's vital components.
	MOTO <b>CHAIN PASTE</b>	Paste		New generation extreme pressure grease for engine chains. Water-resistant, it provides for exceptional lubrication, even under the most severeusage conditions.
	MOTO <b>DEGREASER+</b>	Spray		Dry cleaner for brakes, carburetors, spark plugs and metallic surfaces. Multi-usage grease remover and cleaner for all motorcycle parts. Quickly removes grease, leaving no residue. Practical spray for reaching the most inaccessible places. Pressure spray in order to dislodge even the stickiest grime.
	MOTO <b>SPRAY SILICONE</b>	Spray		Special aerosol product to be used for the maintenance of the motorcycle. It protects all metal, leather and plastic parts of the bike leaving a lustrous shine. It is transparent and extremely water repellent.



# HTX Classic Cars Range



HTX PRESTIGE  
**20W-50**

Mineral Technology Engine Oil  
API SF

Suitable for old and young classic cars.



HTX CHRONO  
**10W-60**

Synthetic Technology Engine Oil  
API SL

Suitable for old and young racing classic cars. For drivers willing to go on circuits.



HTX PRESTIGE  
**SAE 40**

Mineral Technology Engine Oil  
API SB

Suitable for old and young classic cars.



HTX COLLECTION  
**20W-50**

Mineral Technology Engine Oil  
API SL

Suitable for old and young classic cars.










# HTX COMPETITION

## Range Nomenclature









HTX RACING 4-STROKES

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	APPLICATION
HTX <b>830</b>	0W-30	100% Synthetic For Racing	
HTX <b>840</b>	0W-40	100% Synthetic For Racing	
HTX <b>850</b>	5W-50	100% Synthetic For Racing	
HTX <b>860</b>	10W-60	100% Synthetic For Racing	
HTX <b>3820</b>	0W-20	100% Synthetic For Racing	
HTX <b>3830</b>	0W-30	100% Synthetic For Racing	
HTX <b>3835</b>	5W-30	100% Synthetic For Racing	

HTX RACING 2-STROKES

HTX <b>909</b>	SAE 50	100% Synthetic For Racing	 
HTX <b>976+</b>	SAE 50	100% Synthetic For Racing	 

HTX RACING GEARBOX OIL

HTX <b>725</b>	75W-80	100% Synthetic For Racing	
HTX <b>735</b>	75W-90	100% Synthetic For Racing	
HTX <b>740</b>	75W	100% Synthetic For Racing	
HTX <b>755</b>	80W-140	100% Synthetic For Racing	

HTX RACING MAINTENANCE PRODUCTS

HTX <b>320 DOT 4</b>		100% Synthetic For Racing	BRAKE FLUID
HTX <b>COOLANT CI</b>		100% Synthetic For Racing	COOLANT
HTX <b>420</b>			GREASE

# ELF PERFORMANCE PRO Range Nomenclature



PERFORMANCE PRO  
**700**

Designed to meet demanding lubrication requirements for turbocharged engines.



PERFORMANCE PRO  
**800**

High-performance synthetic technology standard SAPS oil, outperforming ACEA E4



PERFORMANCE PRO  
**900**

Synthetic technology surpassing the most severe ACEA E6 specification



PERFORMANCE PRO  
**1000**

Performances exceeding the latest, most demanding API CK-4 Low SAPS specification

ELF PERFORMANCE PRO engine oils are tested and approved by major Heavy Vehicle Manufacturers (Original Equipment Manufacturers – OEMs). These product approvals are the guarantee certificates proving that ELF PERFORMANCE PRO products are 100% compatible with the engine technology of the related manufacturers.



# ELF PERFO HDX

## Range Nomenclature

ELF PERFO HDX products exceed the performance standards defined by American Petroleum Institute (API) and European Automobile Manufacturers' Association (ACEA) and meet the requirements of major Heavy Vehicle Manufacturers.

Recommended for turbocharged or naturally aspirated diesel engines of commercial vehicles. Excellent oxidation resistance thanks to its high TBN content, guaranteeing efficient engine protection even in the presence of high sulphur fuels.

### PERFO HDX 100

Monograde quality oils suitable for light to medium-loaded turbocharged and naturally aspirated diesel engines of commercial vehicles, construction machineries and agricultural equipment, where API CD is recommended.

### PERFO HDX 200

Multigrade and monograde quality oils suitable for all turbocharged or naturally aspirated diesel engines of commercial vehicles, construction machineries and agricultural equipment requiring API CF performance.

### PERFO HDX 300

Suited for all heavy-duty vehicles operating under severe service conditions, where API CF-4/SG compliance is required.

### PERFO HDX 400

Recommended for all turbocharged or naturally aspirated diesel engines of commercial vehicles, public works and agricultural equipments requiring API CG-4 performance.

### PERFO HDX 500

Premium engine oil designed to comply with EURO 2 or EURO 3 engine requirements.





# Label Architecture

Sub-segments  
Identification Colour

ELF Logo

Range Name

Denomination

Viscosity/Grade

Specific Characteristic  
Of The Product

QR Code

Valorization  
Pictogram/International  
Specifications



ELF Logo

Range Name

Denomination

Viscosity Grade

Homologation  
And International  
Specification

Product Description

Capacity



## Front Label Architecture




The valorization pictograms placed in the area provided for this purpose from left to right at the bottom on the base line of capacity. Product information is aligned to the right with one piece of information on top of the other.

## Back Label Architecture

The back of the label is composed of 3 big areas



PREFORMANCE PRO  
HEAVY DUTY PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	INTERNATIONAL SPECIFICATIONS	TECHNOLOGY	OEM APPROVALS	MEETS THE REQUIREMENTS OF	FUEL ECONOMY/ LOW SAPS
PERFORMANCE PRO 1000	10W-30	ACEA E7, E9 API CK-4/CJ-4/CI-4+/CI-4/CH-4	Synthetic-Based Technology	Cummins CES 20086, DDC DFS 93K222, Mack EO-S 4.5, MB-Approval 228.31, Renault Trucks RLD-3, Volvo VDS-4.5, FORD WSS-M2C171-F1	DAF IVECO	
PERFORMANCE PRO 1000	15W-40	ACEA E7, E9 API CK-4/CJ-4/CI-4+/CI-4/CH-4/SN	Mineral Technology	Cummins CES 20086, DDC DFS 93K222, Mack EO-S 4.5, MB-Approval 228.31, Renault Trucks RLD-3, Volvo VDS-4.5, FORD WSS-M2C171-F1	DAF IVECO	
PERFORMANCE PRO 900	10W-40	ACEA E6, E7, E9 API CJ-4/CI-4/CH-4	Synthetic-Based Technology	Mack EO-O Premium Plus, MB-Approval 228.51, Renault Trucks RLD-3, Volvo VDS-4, ZF TE-ML 23A	Cummins CES 20081, DAF, IVECO, MAN M 3477/M 3271-1	
PERFORMANCE PRO 800	10W-40	ACEA E4, E7 API CF	Synthetic-Based Technology	Mack EO-N, MAN M 3277, MB-Approval 228.5, Renault Trucks RXD/RLD-2, Scania LDF-3, Volvo VDS-3, VOITH Class A, ZF TE-ML 23A	DAF IVECO	
PERFORMANCE PRO 700	15W-40	ACEA E7 API CI-4/CH-4/SL	Mineral Technology	Cummins CES 20078, Mack EO-N, MB-Approval 228.3, Volvo VDS-3, Renault Trucks RLD-2	MAN M 3275, Caterpillar ECF-1-A, IZUSU, DAF, SCANIA, Iveco TLS E9	
PERFORMANCE PRO 700	20W-50	ACEA E7 API CI-4/CH-4/SL	Mineral Technology	MB-Approval 228.3	MAN M 3275, Caterpillar ECF-1-a	

# PREFO HDX

## HEAVY-DUTY PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	TECHNOLOGY	INTERNATIONAL SPECIFICATIONS	MEETS THE REQUIREMENTS OF
PERFO HDX <b>500</b>	10W-30, 15W-40, 20W-50	Mineral Technology	API CH-4/SJ	Mack EO-M, MAN M 3275, MB-228.1, Renault Trucks RD/RD-2, Volvo VDS-2
PERFO HDX <b>400</b>	10W-30, 15W-40, 15W-50, 20W-50	Mineral Technology	API CG-4 /SH	Mack EO-L, MAN 271, MB-228.1, Volvo VDS
PERFO HDX <b>300</b>	15W-40, 20W-50	Mineral Technology	API CF-4/SG	MAN 271, MB-228.1, Volvo VDS
PERFO HDX <b>200</b>	10W-30, 15W-40, 15W-50 / 20W-50	Mineral Technology	API CF/SF	
PERFO HDX <b>200</b>	10W-30, 20W-40, 20W-50 SAE 10W, 30, 40, 50	Mineral Technology	API CF/SF	
PERFO HDX <b>100</b>	SAE 50	Mineral Technology	API CD	



# Transmission Oil Range Nomenclature

## ON-ROAD APPLICATION

## OFF-ROAD APPLICATION



### ELFMATIC

Automatic Transmission Fluid



### TRANSELF

Manual Transmission Fluid  
(PREMIUM)



### GEARELF

Manual Transmission Fluid  
(STANDARD)



### TRACTELF

Universal Tractor Transmission  
Oil (UTTO)



# MANUAL TRANSMISSION TRANSELF PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADE	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	SUITABLE FOR	FUEL ECONOMY/ LOW SAPS
TRANSELF <b>SYN NFX</b>	SAE 75W	API GL-4+	RENAULT/NISSAN Sx, Jxx, TLx, ND4, NDk1, Pxx, RAO, DBx transmissions			
TRANSELF <b>SYN FE</b>	75W-90	API GL-4/GL-5/MT-1 SAE J2360 MIL-L 2105 D/MIL-PRF 2105 E	MACK GO-J Plus MAN 341 type Z-2/342 type S-1 SCANIA STO 1:0 VOLVO TRUCKS 97312 ZF TE-ML 02B/05A/12L/12N/ 16F/17B/19C/21A	MB-235.8 DAF IVECO		
TRANSELF <b>SYN FE</b>	75W-140	API GL-4 API GL-5 API MT-1 SAE J2360 MIL-PRF 2105 E and MIL-L 2105 D	MB-Approval 235.8 , MAN 341 type Z-2, MAN 342 type S-1 SCANIA STO 1:0, SCANIA STO 1:1 G SCANIA STO 2:0 A FS VOLVO 97312 / MACK GO-J Plus ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A, MERITOR 076-N DAF, IVECO RAS1			
TRANSELF <b>LC</b>	75W-85	API GL-4	KIA, Hyundai, Nissan, Mitsubishi, Suzuki, Daewoo, Daihatsu. Car Manufacturers requesting 75W-85 SAE Grades.			
TRANSELF <b>LD</b>	75W-80	API GL-4	MAN 341 type E-3/Z-4 , ZF TE-ML 01L, 02L, 16K, Volvo 97307, DAF, IVECO MGS1			
TRANSELF <b>UNIVERSAL FE</b>	80W-90	API GL-4 API GL-5 API MT-1 MIL-L 2105 D	MAN 341 TYPE Z2, MAN 342 TYPE M2 SCANIA STO 1:0, Volvo 97321 / MACK GO-J Plus ZF TE-ML, 05A/12L/12M/16B/17H/19B/21A, IVECO RAM1	MAN 341 TYPE E2		
TRANSELF <b>EP</b>	80W	API GL-4	MB-approval 235.1 ZF TE-ML 17A			
TRANSELF <b>EP</b>	80W-90	API GL-4	MAN 341 type E-1 / Z-2 ZF TE-ML 16A, 17A, 19A			
TRANSELF <b>TYP B</b>	80W-90	API GL-5	ZF TE-ML 12E, 17B, 19B, 21A MAN 342 type M-2, VOLVO 97305, IVECO RAM1		MAN 341 type M-1	
TRANSELF <b>TYP B</b>	85W-140	API GL-5	ZF TE-ML 05A, 12E, 16D, 21A, IVECO RAM2			
TRANSELF <b>TYP B</b>	90	API GL-5	MAN 342 type M-1, ZF TE-ML 16C, 17B, 19B, 21A MB-Approval 235.0			
TRANSELF <b>TYP B</b>	75W-80	API GL-4	PSA PEUGEOT CITROEN B71 2330			



# MANUAL TRANSMISSION

## GEARELF PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	INTERNATIONAL SPECIFICATIONS
GEARELF <b>4</b>	80W-90 / 85W-90 / 85W-140 SAE 90 / SAE 140	API GL-4
GEARELF <b>5</b>	75W-90 / 80W-90 / 85W-90 / 85W-140 SAE 90 / SAE 140	API GL-5

# AUTOMATIC TRANSMISSION

## ELFMATIC PRODUCTS

COMMERCIAL NAMES	APPLICATION	OEM APPROVALS	SUITABLE FOR
ELFMATIC <b>DII MV</b>	PC / LCV - Multi vehicles		GM Dexron ® IID, Ford Mercon ®, ZF TZ-ML 14A
ELFMATIC <b>DIII MV</b>	PC / LCV - Multi vehicles		GM Dexron IIIG / IIIH, Ford Mercon ZF TE-ML 14A, Allison C4
ELFMATIC <b>LV MV</b>	PC / LCV - Multi vehicles		Aisin Warner JWS 3324, GM Dexron VI, Ford Mercon LV / Mercon SP, MB 236.12/14/17/41, HONDA DW-1 ATF Type 3.0/3.1, Audi/Volkswagen : G 052 533, G055 005 (-A, A2) / G 055 540 (A2), Hyundai-Kia : SP-IV / SPH-IV, SP-IV-M, SP-IV-RR, NWS-9638 T-5, JASO 1A (M315), MAZDA FW 6A EL, FW 6AX EL, FZ, MB 236.12/14/15/17/41, MITSUBISHI ATF-J3, ATF-PA ZF 6 Speed AT (6HP) / 8 Speed AT (8HP) / 9 Speed AT (9HP), Nissan Matic-S, Matic-W, Toyota Type WS
ELFMATIC <b>MV</b>	PC / LCV - Multi vehicles		Aisin Warner JWS 3309 / 3317, ALLISON C4 / 295 / 389 Chrysler/Dodge/Jeep ATF +2 / +3 / +4, Ford WSS-M2C922-A1, Mercon / Mercon V, GM Dexron® IIIG / IIIH, Type A Suffix A/IIID/IIIE/IIIG/IIIH, HONDA Z-1, HYUNDAI SP-II/III / P/N UM040 CH20 Red-1, JASO 1A (M315), Mercedes-Benz MB 236.5/6/7/8/9/91/10/11, Audi/Volkswagen : G 052 025 A2, G 052 055, G 052 162 (-A1, -A2), G 052 990 (A2), G 055 025 (A2), G US 000 162 Ford : P/N XT-2-QDX [M], XT-2-QSM [Syn], XT-5-QM ou -DM [V], XT-8-QAW [Premium], XT-9-QMM5 [FNR5], Jaguar : JLM 20238, JLM 20292, JLM 21044, MAN 339A, Mazda : F-1, M-5, M-III, Type T-IV, P/N XT-9-QMM5,RENAULT / NISSAN : Matic-D/D2, Matic-J, Matic-K, 402, Ssang Yong : DSIH 5M-66, Suzuki 3313,3317, TOYOTA D-II / T / T-III / T-IV, VCE : 1273,97341 ZF D-II / T / T-III / T-IV TE-ML 11A/B



# AUTOMATIC TRANSMISSION

## ELFMATIC PRODUCTS

COMMERCIAL NAMES	APPLICATION	OEM APPROVALS	MEETS THE REQUIREMENTS OF	SUITABLE FOR
ELFMATIC <b>DCT MV</b>	PC / LCV - Multi vehicles		Audi/Volkswagen TL 052 182 / TL 052 529, Ford WSS-M2C 936-A, Mercedes-Benz MB 236.21	Audi/Volkswagen: DQ250, DQ500, DL501,G 055 529, G052 182, G052 529, BMW: P/N 83 22 2 148 578 / 83 22 2 148 579 /83 22 0 440 214 / 83 22 2 147 477, Citroën: 6DCT451, Ford / Getrag: 6DCT450, 6DCT451, 7DCT300 Mercedes-Benz: F-DCT350, F-DCT500 Volvo: P/N 1161838 / 1161839 Mitsubishi: 6DCT470 Porsche / ZF: 7DT45HL, 7DT45HLA, 7DT45FL, 7DFL, 7DT70HLA, 7DT75,7DT75A
ELFMATIC <b>CVT MV</b>	PC / LCV - Multi vehicles			Audi/Volkswagen: TL 521 80 (G 052 180 A2) / TL 521 16 (G 052 516), (G 052 516) / Audi Multitronic BMW mini Cooper : 83 22 0136 376/ 83 22 0 429 154 Daihatsu AMMIX CVTF DFE / CVT Fluid DC & DFC & TC Punch CVTF-EX1 , Jatco CVT 8 Hybrid, HONDA : HMMF, HCF2, Z-1, HYUNDAI: CVT-1, SP III-CVT MAZDA: JWS 3320, MITSUBISHI: CVTF-J1, CVTF J-4 / J-4+, SP III CVT, ECO J4, NISSAN NS-1, NS-2/2V, NS-3 RENAULT CVT CK/SK/FK, SUBARU iCVT, iCVT FG, ECVT, NS-2,Lineartronic chain CVT and CVT II Fluid, K0425Y0710 & K0425Y0711, Subaru Lineartronic High Torque (HT) CVT Fluid, CV-30, K0421Y0700 SUZUKI CVT green 1&2 / 1V / CVTF TC/3320/4401 NS-2 TOYOTA : CVTF TV/ CVTF FE THS-II
ELFMATIC <b>CVT</b>	PC / LCV - Specialty			RENAULT/NISSAN: CVT FK/CK/DK
ELFMATIC <b>J6</b>	PC / LCV - Specialty			Nissan Matic-J
ELFMATIC <b>D2</b>	Heavy Duty	ZF TE-ML 03D/04D/14A/17C, Voith H55.6335.xx, MAN 339 Typ V1/Z1 Volvo 97340, Volvo 97341, Mercedes-Benz MB-Approval 236.9	GM Dexron IID / IIIG / IIIH TASA Ford Mercon, Allison C4, Bosch TE ML 09	MAN 339 Typ L1/L2, MB 236.2 , 5, 6, 7, 8, 10 Volvo 97337, 97335, 97325, ZF TE-ML 05L, 11, 21L
ELFMATIC <b>G3</b>	Heavy Duty	MAN 339 Typ V1/Z1, MB-Approval 236.9 Voith H55.6335.xx, Volvo 97340, 97341 ZF TE-ML 04D/14A	GM Dexron IID, Dexron IIIG / IIIH, TASA Ford Mercon, MAN 339 Typ L1/L2, Allison C4, Bosch TE ML 09	MAN 339 Typ L1/L2 MB 236.2 , 5, 6, 7, 8, 10 Volvo 97337, 97335, 97325 ZF TE-ML 05L, 11, 21L
ELFMATIC <b>G3 SYN</b>	Heavy Duty	MAN 339 Typ V1 / Z2 VOITH H55.6335.xx ZF TE-ML 04D/14B/16L	AUDI/VW : TL 52162 Ford Mercon GM DEXRON IIIG	Allison C4 ZF TE-ML 11B Mercedes-Benz MB 236.11 PSA: PSA transmissions AL4 / 4HP20



# OFF-ROAD TRANSMISSION TRACTELF PRODUCTS

COMMERCIAL NAMES	VISCOCITY GRADES	INTERNATIONAL SPECIFICATIONS	OEM APPROVALS	MEETS THE REQUIREMENTS OF	SUITABLE FOR	FUEL ECONOMY/ LOW SAPS
TRACTELF <b>BF 24 FE</b>		API GL-4	MASSEY FERGUSON CMS M1145, VALTRA G2-B10, ZF TE-ML 03E/05F/06K	MASSEY FERGUSON CMS M1143, FORD FNHA 2C 201.00 / M2C 134-D, JOHN DEERE JDM J20C, Mc CORMICK HTX, CLAAS / RENAULT AGRICULTURE	CASE MS1206/MS1207/MS1209, CNH MAT 3505/3509/3525/3526/3540, NEW HOLLAND NH 410C/NH 410B, MASSEY FERGUSON CMS M1135/M1141, AGCO : ALLIS 821 XL	
TRACTELF <b>BF 20 FE</b>		API GL-4			MASSEY FERGUSON CMS M1145/M1143, JOHN DEERE JDM J20D, NEW HOLLAND NH 410C/NH 410B, CASE MS1206/1207/1209, AGCO : ALLIS 821 XL, VALTRA G2-B08, CLAAS / RENAULT AGRICULTURE, CNH MAT 3505/3509/3525/3526/3540, FORD M2C 134D / FNHA 2C 201.00, Mc CORMICK HTX, KOMATSU AXO 80	
TRACTELF <b>BF 16</b>		API GL-4	MASSEY FERGUSON CMS M1145, VALTRA G2-08, ZF TE-ML 03E/03L/05F/06P/17E/21F, VOLVO CE WB 101,	MASSEY FERGUSON CMS M1143, ALLISON C4, JOHN DEERE JDM J20C, CLAAS / RENAULT AGRICULTURE, FORD FNHA 2C 201.00 / M2C 134-D, Mc CORMICK HTX	CASE MS1207/MS1209, CNH MAT 3505/3509/3525/3526/3540, CATERPILLAR Cat TO-2, KOMATSU AXO 80, MASSEY FERGUSON CMS M1135/M1141, AGCO : ALLIS 821 XL, NEW HOLLAND NH 410C/NH 410B	
TRACTELF <b>SF 3</b>		API GL-4		CLAAS / RENAULT AGRICULTURE, MASSEY FERGUSON CMS M1135/ M1141, FORD WSS-M2C 86B / WSS-M2C 86C, NEW HOLLAND NH 420A	KOMATSU, JCB	
TRACTELF <b>BLS</b>	80W-90	API GL-5 LS MIL-L-2105D	ZF TE-ML 05C/12C/21C		DEUTZ, CLAAS / RENAULT AGRICULTURE	
TRACTELF <b>NG</b>		API GL-4	VALTRA G2-08, VOLVO CE WB 101, ZF TE-ML 03E/05F/06D/06K/ 06N/06R/17E/21F	MASSEY FERGUSON CMS M1145/ M1143, JOHN DEERE JDM J20C, CLAAS / RENAULT AGRICULTURE, FORD FNHA 2C 201.00 / M2C 134-D, Mc CORMICK HTX	CASE MS1206/MS1207/MS1209, CNH MAT 3505/3509/3525/3526/3540, NEW HOLLAND NH 410C/NH 410B, KOMATSU AXO 80, MASSEY FERGUSON CMS M1135/ M1141, KUBOTA UDT, AGCO : ALLIS 821 XL	

# HYDRAULIC OIL/ BRAKE FLUID PRODUCTS

COMMERCIAL NAMES	ISO VG	INTERNATIONAL SPECIFICATIONS	OEM HOMOLOGATIONS
HYDRELF <b>DS</b>	32, 46, 68	AFNOR NF E48-603 HV, ISO 6743-4 HV, DIN 51524-3 HVLP	CINCINNATI MILACRON P68/P69/P70, DENISON HF0/HF2, VICKERS M-2950-S/I-286-S
ELFOLNA <b>DS</b>	32, 46, 68	AFNOR NF E48-603 HM, ISO 6743-4 HM, DIN 51524-2 HLP	CINCINNATI MILACRON P68/P69/P70, DENISON HF0/HF1/HF2, VICKERS M-2950-S/I-286
FRELUB <b>350</b>		FMVSS 116 DOT 3, ISO 4925, SAE J1703	
FRELUB <b>450</b>		FMVSS 116 DOT 4, ISO 4925 Class 4, SAE J1704	
FRELUB <b>650</b>		FMVSS 116, ISO 4925, SAE J1704	