



A brand of **TOTAL**

## PERFO HDX 200 15W-40 / 20W-40 / 20W-50



**Universal mineral lubricant for diesel engines.**

### APPLICATIONS

- ELF PERFO HDX 200 15W-40 / 20W-40 / 20W-50 is recommended for all **turbocharged or naturally-aspirated diesel engines** of **commercial vehicles** (trucks, buses, vans, pick-ups, taxis...), **public works equipments** and **locomotives** requiring **API CF** performance.
- This lubricant is also suitable for all **diesel stationary engines** (energy production).
- ELF PERFO HDX 200 15W-40 / 20W-40 / 20W-50 is well suited for **gear boxes, torque converters** and **hydraulic systems** when the manufacturer requires engine oil with an appropriate grade for these applications.

### APPROVALS

Specifications API CF/SF

### PERFORMANCES AND CUSTOMER BENEFITS

- ELF PERFO HDX 200 15W-40 / 20W-40 / 20W-50 has **excellent oxidation resistance**, guaranteeing **efficient engine protection** under normal and severe conditions.
- **Detergent, dispersant and anti-wear properties** keep the **engine clean** and enable effective control of soot, sludge and piston deposits.
- ELF PERFO HDX 200 15W-40 / 20W-40 / 20W-50 exhibits a **high alkaline reserve** to avoid overly shortened oil drain interval with the use of high sulphur fuel.

### PHYSICAL AND CHEMICAL CHARACTERISTICS

ELF PERFO HDX 200		Method	15W-40	20W-40	20W-50
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	887	882	895
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	103.1	121	170.8
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	13.8	14	18
Viscosity Index	-	ASTM D2270	135	113	117
Flash point	°C	ASTM D92	>200	>200	>200
T.B.N	mgKOH/g	ASTM D2896	9	9	9

*The features mentioned above are average values obtained with some variability in production and do not constitute a specification.*