



**Diesel Engine Oil**

**Technical Data Sheet (TDS)**

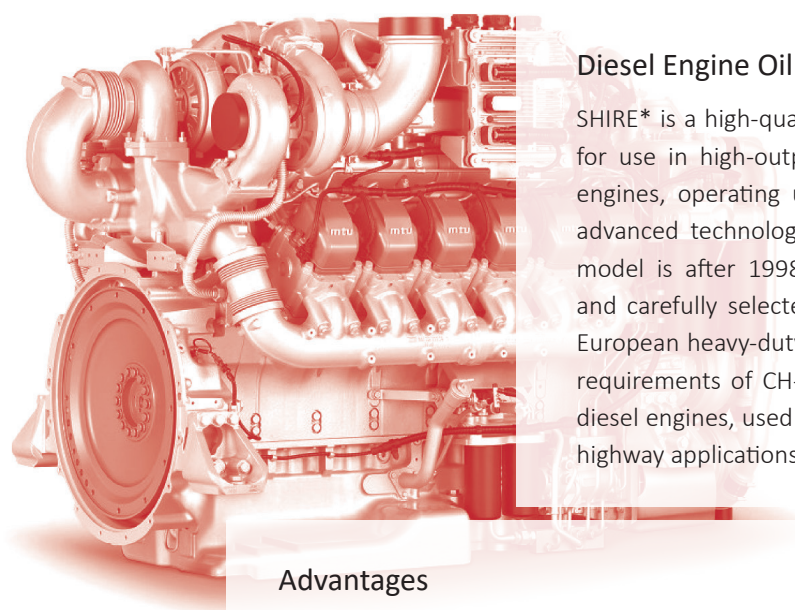
**SHIRE**

Tajhiz Niroo Zangan is a public stock company and manufacturer of various lubrication products, used in automotive, industrial and marine equipment, including gasoline and diesel engine oils, gear oils, hydraulic fluids, compressor oils, locomotive oils, greases, heavy-duty marine diesel engine oils, trunk piston oils, cylinder oils, antifreeze, ...



# SAE 20W-50

## API CH-4



### Diesel Engine Oil

SHIRE\* is a high-quality and long-lifetime diesel engine oil, developed for use in high-output, high-speed turbo-charged four-stroke diesel engines, operating under severe conditions and equipped with the advanced technology to reduce emissions, which their construction model is after 1998. It is blended from highly refined base stocks and carefully selected additives, meeting the requirements of major European heavy-duty diesel engine manufacturers, and also cover API requirements of CH-4. SHIRE's application is in light- and heavy-duty diesel engines, used in mining, construction, agriculture and other off-highway applications.

### Advantages

- Better thermal and oxidation stability
- Efficient anti-wear property
- Very good lubricity property, specially at low temperatures in start-up
- Enhanced detergency characteristic
- Increasing engine and oil long-lifetime
- Improving engine efficiency and fuel consumption

### SAE 20W-50, API CH-4

Specification	Vis @ 100 °C cSt	VI -	Flash Point °C	Pour Point °C (Max)	TBN mg KOH/g	Density @ 15 °C kg/m <sup>3</sup>	CCS @ -15 °C cP
Typical	20	128	235	-27	12	885	8900
ASTM Test Method	D 445	D 2270	D 92	D 97	D 2896	D 1298	D 5293

\*SHIRE: An English horse; the tallest and highest horse breed in the world