



## Raysun Libero DX3

### Diesel Engine Oil

Raysun Libero DX3 series are heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under different conditions. They are formulated from highly refined base stocks and chosen additives to provide reliable protection to engines operating under various environments. They are suitable for use in a wide range of on and off-highway applications where such type of lubricant is recommended.

#### Advantages

- Improved detergency characteristics ensure cleaner engine
- Effective antiwear characteristics protect engine components
- Good oxidation stability controls premature oil thickening
- Better corrosion inhibition properties protect engine components against rust and corrosion

#### Applications

- Diesel engines of all leading engine manufacturers where such performance level oil is recommended
- On-highway applications including light and heavy-duty trucking
- Heavy-duty diesel engines used in mining, construction, agriculture and other off-highway road applications where such performance level oil is recommended

#### Performance level & Specification

API CF



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SAE Viscosity Grades									ASTM Method	Specification
25W-60	25W-50	20W-50	20W-40	15W-40	10W	50	40	30		
0.899	0.898	0.890	0.890	0.875	0.870	0.902	0.902	0.893	D 1298	Density @ 15°C, kg/l
24.2	18.85	18.5	14.46	14.35	5.6	20	14.0	11.41	D 445	Viscosity @ 100 °C, cSt.
118	113	126	114	139	104	98	98	95	D 2270	Viscosity Index
244	244	238	240	230	208	244	244	250	D 92	Flash Point, °C
-21	-21	-27	-27	-30	-33	-21	-21	-24	D 97	Pour Point, °C
7	7	7	7	7	7	7	7	7	D 2896	TBN, mg KOH/g

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."