



Raysun Libero DX4

High Performance Diesel Engine Oil

Raysun Betria series are heavy duty diesel engine oils for use in naturally aspirated and turbocharged diesel engines operating under moderate to severe conditions. These are formulated from highly refined base stocks and proven performance additives to provide overall engine protection under variety of operating conditions. Raysun Betria provides improved protection against wear and deposits and is suitable for use in wide range of on and off-highway applications where such type of lubricant is recommended

Advantages

- Improved thermo-oxidative stability controls sludge build-up and deposits ■
- Better detergency reduces deposits and keeps engines cleaner ■
- Good dispersancy helps in controlling soot induced oil thickening and wear ■
- Stay in grade shear stability helps reduce oil consumption and wear ■
- Good corrosion inhibition properties provide protection against corrosion and wear ■

Applications

- Turbocharged and naturally aspirated diesel engines of all leading engine manufacturers requiring API CF-4 ■
quality oils
- On-highway applications including light and heavy duty applications ■
- Heavy-duty diesel engines used in mining, construction, agriculture and other off-highway applications ■

Specification

- API CF-4 ■



Raysun Libero DX4

SAE Viscosity Grades										ASTM Method	Specification
50	40	30	25W-60	25W-50	20W-50	20W-40	15W-40	10W			
0.904	0.900	0.895	0.899	0.899	0.897	0.890	0.880	0.895	D 1298	Density @ 15°C, kg/l	
20	14.5	11	24	19.5	19.5	15	15	5.9	D 445	Viscosity @ 100 °C, cSt.	
100	95	95	114	113	120	120	135	104	D 2270	Viscosity Index	
250	244	240	244	244	235	235	230	208	D 92	Flash Point, °C	
-18	-21	-21	-18	-21	-24	-24	-30	-27	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."