



RAYSUN LIBERO X5

Passenger Car Motor Oil

Raysun LIBERO X5 series are premium quality passenger car motor oils designed for modern, high-output, turbocharged gasoline powered passenger cars and diesel powered light duty vehicles. These are blended using selected high quality base oils and chosen performance additives to provide excellent engine cleanliness and protection against wear and rust & corrosion.

Advantages

- Better thermo-oxidative stability minimizes deposits & sludge build-up
- Effective rust inhibitors retard formation of rust in critical engine parts
- Advanced antiwear technology minimizes engine wear and thereby reduce maintenance cost
- Good Stay-in-grade performance ensures reliable lubrication even at higher load & operating temperatures

Applications

- Recommended for modern high performance turbocharged gasoline powered passenger cars and diesel powered light duty vehicles requiring API SJ & API CF-4 quality oils
- They may also be used in older vehicles where an API service category SH, SG, SF or commercial category .CC quality oil is recommended

Performance level

- API SJ/CF4

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SAE Viscosity Grades				ASTM Method	Specification
20W-50	20W-40	15W-40	10W-40		
0.885	0.880	0.876	0.871	D 1298	Density @ 15°C, kg/l
18.6	14.30	14.10	14.3	D 445	Viscosity @ 100 °C, cSt.
125	125	136	145	D 2270	Viscosity Index
238	236	232	228	D 92	Flash Point, °C
-27	-30	-33	-36	D 97	Pour Point, °C
6.00	6.00	6.00	6.00	D 2896	TBN, mg KOH/g
0.68	0.68	0.68	0.68	D 874	Sulphated Ash, %wt

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