



Dilmar Oil Company

Starguard Synthetic Blend All Grades

Dilmar Starguard Synthetic Blend All Grades are premium engine oils that are formulated for turbo-charged and naturally spirited gasoline, propane, natural gas engines in passenger car and light duty truck service. Dilmar Starguard Synthetic Blend All Grades meet or exceed the API SN classification and also meet the requirements of ILSAC Starburst GF-5. This oil is designed for use in U.S., European, and Japanese passenger cars, vans, sport utility vehicles and light duty trucks.

Features	Applications
<ul style="list-style-type: none"> • Meets or exceeds API Service SN. • Meets or exceeds ILSAC Starburst GF-5 requirements. • Meets passenger car and light truck manufacturers warranty requirements. • Lubricates, cools, and protects turbo-charged high-revving engines that operate at high temperatures. • Protects the engine in controlling varnish, deposits, rust, corrosion, wear, and cleanliness. • Designed to flow at low temperatures to get to vital engine parts quickly. 	<ul style="list-style-type: none"> • Passenger car and truck gasoline, propane, and natural gas engines specifying API service SN engine oils. • Maintains the warranty requirements for today's passenger car and light duty trucks specifying ILSAC Starburst GF-5 engine oils. • Reduces high temperature oxidation. • Energy-Conserving for improved fuel economy. • API Certification License no. #2325

TYPICAL PROPERTIES				
TEST	Method	5W-20	5W-30	10W-30
cSt @ 40° C	ASTM D445	49	62.1	64.1
cSt @ 100° C	ASTM D445	8.5	10.5	10.2
Viscosity Index	ASTM D2270	151	159	146
CCS Viscosity, cP @-30C	ASTM D5293	5672	6150	-----
CCS Viscosity, cP @-25C	ASTM D5293	-----	-----	5300
Flash Point ° C	ASTM D92	200	200	202
Pour Point ° C	ASTM D97	<-42	<-42	<-39
Noack Volatility	ASTM D5800	13.5	14	14.3
Color	ASTM D1500	L3.5	L3.5	L3.5
Zinc, ppm	Spectrometer	840	840	840
Phosphorus, ppm	Spectrometer	780	780	780