



ULTRA SUPREME GOLD MOTOR OILS-SL

(Premium Passenger Car Oil, API SL)

Gasoline engines are constantly being redesigned to meet more demanding requirements such as better fuel economy, less pollution, improved durability and increased power. Often design improvements that yield more power and economy out of equal or smaller engines place extra stress on engine oils. Higher loading, elevated temperatures, and exhaust recirculation all contribute to harmful sludge formation, piston deposits and valve train wear, which can shorten engine life. Operators must use oils with added capacity if performance is to be maintained. **ULTRA SUPREME GOLD** SL quality motor oils utilize the latest engine oil technology to provide superior performance.

ULTRA SUPREME GOLD SL motor oils are blended with highly refined petroleum base oils and the finest additives. These advanced oils have significantly improved oxidation stability and detergency as compared to conventional oils, enabling them to deal with the high speeds and high temperatures encountered in today's engines, thereby, reducing sludge and varnish deposits. In addition, their excellent anti-wear capability protects sensitive valve train parts against wear.

Today's engines are designed to minimize oil consumption. Engine manufacturers now recommend longer drain intervals. Although this practice is environmentally friendly, it places more stress on the engine oils by reducing make-up oil. Since less make-up oil is added, additives that have become depleted are not replaced. **ULTRA SUPREME GOLD** SL quality motor oils are formulated with an extra heavy-duty additive package to provide maximum protection over the expected life of the oils.

ULTRA SUPREME GOLD SL multigrade oils are specially formulated to provide excellent flowability. The superior flow characteristics allow **ULTRA SUPREME GOLD** SL motor oils to lubricate parts much faster at startup, thereby reducing wear.

BENEFITS:

- DESIGNED FOR MODERN GASOLINE ENGINES
- REDUCES ENGINE WEAR
- CONSERVES FUEL
- KEEPS ENGINES CLEAN
- EXTENDS OIL DRAIN INTERVALS

APPLICATIONS:

ULTRA SUPREME GOLD SL quality motor oils are recommended for all gasoline engines. They meet or exceed the following requirements:

- API SL
- ILSAC GF-3 Energy Conserving (SAE 5W-20, 5W-30 and 10W-30)
- CID-A-A-52039B (SAE 5W-20, 5W-30 and 10W-30)

ULTRA SUPREME GOLD SL motor oils also meet or exceed the specifications of the following manufacturers:

General Motors → Ford Motor Company → Chrysler → Nissan → Toyota → Volkswagen → Audi → Alfa Romeo → Isuzu → Mazda → Subaru → Jaguar → BMW → Mercedes-Benz →



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(Premium Passenger Car Oil)

TYPICAL CHARACTERISTICS

ISO Viscosity Grade	20	30	40	50	5W-20	5W-30	10W-30	10W-40	20W-50
API Service	SL	SL	SL	SL	SL	SL	SL	SL	SL
Product Code	11420	11430	11440	11450	11452	11453-SL	11413-SL	11414	11456
API Gravity (ASTM D-1298)	28.5	27.8	27.8	29.8	34.5	31.0	29.5	29.8	27.7
Viscosity (ASTM D-445):									
cSt @ 40°C	62	95	142	200	48.5	62.8	65	84	154
cSt @ 100°C	8.2	11.0	14.1	29.8	8.7	11.2	10.5	13.7	17.5
SUS @ 100°F	282	501	750	1055	247	330	340	440	820
SUS @ 210°F	54	64	76	92	55	64	62	74	90
Brookfield Viscosity (D-5293)									
cPs @ -30°C, max.	N/A	N/A	N/A	N/A	6,600	6,600	N/A	N/A	N/A
cPs @ -25°C, max.	N/A	N/A	N/A	N/A	N/A	N/A	7,000	7,000	N/A
cPs @ -15°C, max.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9,500
Viscosity Index (ASTM D-2270)	96	100	96	99	158	170	150	165	125
Pour Point (ASTM D-97)									
°F	0	0	5	10	-44	-35	-25	-25	-20
(°C)	(-18)	(-18)	(-15)	(-12)	(-42)	(-39)	(-32)	(-32)	(-30)
Flash Point (ASTM D-92)									
°F	410	425	440	450	433	385	390	390	450
(°C)	(210)	(218)	(227)	(232)	(223)	(195)	(199)	(199)	(232)
Sulfated Ash (ASTM D-874)	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
TBN (ASTM D-2896)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
2/22/02