



## UNIVERSAL SUPER XHD ENGINE OILS

Universal Super XHD is a premium line of synthetic blend passenger car and light duty truck engine oils that contain a special blend of additives which keep engines clean of harmful carbon deposits, varnishes and resins. Universal Super XHD Engine Oils also protect engines from sludge, rust and acid build-up. These oils perform efficiently in gasoline engines and are outstanding for stop-and-go taxi fleets, city delivery vehicles and public utility fleets.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 5W20</u>	<u>SAE 5W30</u>	<u>SAE 10W30</u>	<u>SAE 10W40</u>
Viscosity @ -30°C, cP	D5293	4600	5800	N/A	N/A
Viscosity @ -25°C, cP	D5293	N/A	N/A	6200	6400
Viscosity @ 40°C, cSt	D445	47.00	62.00	75.00	99.00
Viscosity @ 100°C, cSt	D445	8.30	10.20	11.00	14.00
Viscosity Index	D2270	155	155	136	145
Flash Point, COC, °C	D92	213	213	216	216
Flash Point, COC, °F	D92	415	415	420	420
Pour Point, °C	D97	-40	-40	-36	-36
Pour Point, °F	D97	-40	-40	-33	-33
Color	D1500	2.0	2.0	2.0	2.0
Gravity, °API	D287	32.0	32.0	31.0	32.0
Sulfated Ash, %	D874	.98	.98	.98	.98
Phos., %	D4951	0.077	0.077	0.077	0.077
Zinc, %	D4951	0.085	0.085	0.085	0.085
HT/HS, cP	D4683	3.20	3.22	3.12	3.70
Total Base No. (TBN)	D2896	7.4	7.4	7.4	7.4

Meets or exceeds the following tests and requirements:

- API Service Classification - SN, ILSAC GF-5
- Chrysler MS-11999, MS-12007, MS-12015, MS-6395-S
- Resource Conserving
- Ford Motor Company - WSS-M2C945-A, WSS-M2C946-A
- Honda
- Toyota

NOTE: Certain tests apply to specific SAE grades.

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