



HTS SYNTHETIC FLEET

MOTOR OIL SERIES

CHAMPION® HTS FLEET MOTOR OIL series are supreme performance synthetic engine oils for use in severe duty, extreme climate applications, and in applications where extended service between maintenance intervals is desired. Made with high performance synthetic basestocks fortified with an advanced additive system, designed especially to deliver performance and protection during longer service intervals.

Features include:

- Meets OEM new warranty requirements for engine oil
- Extended service drain equals fewer oil changes than conventional motor oils
- Outstanding thermal and oxidation protection provides better wear protection and reduced oil consumption; maintains viscosity in high temperature service
- Delivers better fuel economy using advanced anti-friction chemistry with synthetic base stocks
- Deep cold pumpability reduces start-up wear
- Low oil volatility* using synthetic base stocks for reduced oil consumption.

*According to ASTM D5800 - NOACK Volatility, %wt. loss

CHAMPION HTS FLEET 5W-40 MOTOR OIL

Delivers exceptional performance in modern low emission engines, including those with Exhaust Gas Recirculation (EGR) and Aftertreatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's), as well as refrigerated units. Recommended in diesel engine applications specifying API Service CJ-4 and gasoline engine applications specifying API Service SM.

CHAMPION HTS FLEET 15W-40 MOTOR OIL

Purpose built to be the most robust severe duty, full synthetic, diesel engine oil we produce. It delivers the goods in the areas of engine component protection, extended service life, and fuel savings in today's modern low emission engines using Exhaust Gas Recirculation (EGR). Recommended in diesel engine applications specifying API Service CI-4+ and gasoline engine applications specifying API Service SJ.

TYPICAL SPECIFICATION

SAE Grade	HTS 5W-40	HTS 15W-40
Product Code	4173	4166
API Service	CJ-4/SM	CI-4+/SJ
MSDS #	150	150
Gravity API @ 60 °F	34.0	32.8
Pour Point °F	-42	-38
Flash Point °F	440	450
SUS @ 104 °F	436	500
SUS @ 212 °F	76	80
cSt @ 40 °C	94.0	108.0
cSt @ 100 °C	14.4	15.2
TBN, mg KOH/gm	~ 9.0	~ 10.0
Sulfated Ash %wt	<1.00	-
Color	Purple	Blue
Viscosity Index	155	147

MEETS THESE PERFORMANCE LEVELS

- Detroit Diesel 93K218
- Caterpillar ECF-3, ECF-2, and ECF-1-a
- Cummins CES 20081
- Mack EO-N 03
- Renault Truck RLD-3
- Volvo VDS- 4

Champion® HTS Fleet delivers outstanding performance and better fuel economy* than conventional motor oil.

* Typical improvement up to 4% using HTS Fleet 15W40 and up to 7% using HTS Fleet 5W40 over conventional 15W40 engine oil.

4173 4166

See Your Owners Manual for Viscosity Recommendation

EFFECTIVE 08/09

CHAMPION BRANDS, L.L.C. • 1001 Golden Drive • Clinton, MO 64735
ORDER DESK 800-821-5693