

# PRODUCT DATA SHEET



## Multipower-3 5W-40 (CK-4) | Heavy Duty

### Product Description

Marathon Multipower-3 5W-40 (CK-4) is a Full Synthetic motor oil formulated for mixed fleets, including naturally aspirated and turbo-charged four-stroke diesel and gasoline engines. This heavy-duty motor oil is fully API service backward compatible where the SAE 5W-40 viscosity grade is required.

Featuring an advanced additive package, Multipower-3 5W-40 (CK-4) delivers enhanced oxidation and aeration protection. This technology-driven motor oil contains the highest amount of ashless dispersant that effectively suspends soot, helps minimize abrasive wear, filter plugging, cylinder head sludge, viscosity increases, and oil gelation.

### Features

- ➔ Offers max protection against engine wear, especially vs. previous generation API CJ-4 engine oils
- ➔ Optimized fuel economy yields 1.5% improvement vs. conventional 15W-40 oils, all driving conditions
- ➔ Multi-function dispersant additives & synthetic base oils combat soot, dirt, & other contaminants
- ➔ Excellent shear stability, resists viscosity loss through shear and maintains optimal engine pressure
- ➔ Advanced low-ash formula controls blocking / poisoning of exhaust after-treatment devices, which maintains vehicle emission compliance & engine fuel efficiency

### Industry & OEM Specifications

- Full API backward compatibility
  - 5W-40: CK-4, CJ-4, CI-4, CH-4 / SN, CI-4 Plus
- E9-2012, E7
- DFS 93K222, DFS 93K218
- RLD-4.5, RLD-3
- ECF-3, ECF-2
- EOS-4.5, EO-O Premium Plus, EO-N Premium Plus 03
- VDS-4.5, VDS-4, VDS-3
- CES 20086, CES 20081
- MB 228.31
- MTU Category 2.1
- M3575

### Applications

Marathon Multipower-3 5W-40 (CK-4) is ideal for high-speed four-stroke cycle diesel engines. It meets 2017 model year on-highway and Tier 4 non-road exhaust emission standards. It also meets previous model year diesel engines. This is the preferred heavy duty motor oil for mixed fleets.

# PRODUCT DATA SHEET



## Multipower-3 5W-40 (CK-4) | Heavy Duty

### Technical Data (typical values)



SAE Grade	ASTM	5W-40
Product Numbers		0264 (bulk), 0268 (55 g drum)
Viscosity @ 100°C, cSt	D445	14.67
Viscosity @ 40°C, cSt	D445	90.19
Viscosity Index	D2770	170
Specific Gravity at 60°F	D4052	0.8561
Pour Point, °C	D5950	-48
Color ASTM	D1500	L4.5
CCS, @ -30°C, cP	D5293	6,100
Flash Point COC °C	D92	205
TBN	D2896	10.5
Sulfated Ash, %w	D874	0.9
Noack volatility, %w	D5800	12
HTHS @ 150°C, mPa s	D4683	3.9

- (1) Always follow your operator's manual for recommended viscosity grade and API service classification  
(2) Additional OEM approvals in progress

The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed containers.

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Marathon Petroleum believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.