

Product Description

Roadmaster 600 has been formulated in group II base oils and advanced chemistry to meet API CK-4 / SN / SM. Roadmaster 600 has been specifically formulated to exceed the requirements of EPA 2007 compliant diesel engines equipped with after treatment devices such as diesel oxidation catalysts and particulate filters. This lubricant meets the most severe international specifications for diesel and petrol engine lubricants.

Product Features & Benefits

Roadmaster 600 SAE: 15W/40 provides unsurpassed control of soot , protection of highly stressed piston rings and cylinder liners as well as exceptional protection of valve train systems used in modern diesel engines. Roadmaster 600 is a certified CK-4 oil and provides in addition, API SN / SM petrol engine performance.

Background

Engine oil specifications are largely driven by exhaust emission legislation which have forced changes to engine design. These changes impose more severe operating conditions on the lubricating oil.

- Higher operating temperatures
- Exhaust gas re-circulation
- Increased carbon deposits

International bodies in America, Europe and Japan constantly review these standards, whilst at the same time, the automotive and petroleum industries devise new lubricant standards to meet the increasingly tough operating conditions,

CK-4 is a clear upgrade from all prior diesel engine categories. It offers higher performance than CJ-4 for all existing trucks, and ensures that hardware performs to full potential. CK-4 offers backwards compatibility to existing hardware.

Through a series of updated and new tests, API CK-4 lubricants offer more benefits for all engines. CK-4 utilizes each of the existing API CJ-4 tests, plus two new tests as noted:

- Improved oxidative stability, via the new Mack T13 test
- Increased aeration resistance, via the new CAT Aeration test
- Improved shear stability

Typical Characteristics

Physical Properties		Chemical Properties	
S.G @20°C	0.869	Sulphated Ash %Wt	0.99
KV @40°C cSt	111.8	Base No. mg KOH/gm	9.66
KV @100°C cSt	14.7	Calcium ppm	2,420
VI	135.5	Phosphorus ppm	1,000

Performance Levels

SAE: 15W/40	Caterpillar ECF-3	MAN 3575
API CK-4	Cummins CES 20086	Mack EO-S-4.5
API CJ-4 / CI-4 Plus	Detroit Diesel DFS 93 K222	Mercedes Benz 228.31
API SN	Deutz DQC 111-10LA	MTU Type 2.1
ACEA E7-16 (2016)	Ford WSS-M2C171-F1	Renault Truck RLD-3
ACEA E9-16 (2016)	JASO DH-2	Volvo VDS-4.5