



Lyden Oil Company

ProGuard

Product Information

ProGuard Premium CK-4 Heavy Duty Engine Oil

ProGuard Premium CK-4 Heavy Duty Engine Oil is a high performance multi-grade engine oil that provides excellent protection in diesel fueled engines over a wide range of operating conditions and performance demands. It is compounded with detergents, dispersants, wear control elements, anti-oxidants, corrosion inhibitors and foam suppressant additives to help prevent the development of high temperature deposits and low temperature sludge clogging, inhibit ring deposit formation, reduce engine wear associated with increased soot levels and improved oil consumption control.

ProGuard Premium CK-4 Heavy Duty Engine Oil is suitable for use in almost all foreign and domestic diesel engines, naturally aspirated or turbocharged. It is fully compatible in newer engines equipped with exhaust gas recirculation (EGR) and diesel particulate filter (DPF) systems designed to meet tier-4 emissions standards in addition to older model engines.

ProGuard Premium CK-4 Heavy Duty Engine Oil meets the following specifications:

API Classification CK-4	Detroit Diesel DFS 93K222, DFS 93K233, DFS 93K218
Caterpillar ECF-3, ECF-2	MTU Category 2.1
Mack EOS-4.5, EO-0 Premium Plus, EO-N	Mercedes Benz 228.31
Cummins CES 20086, CES 20087, CES 20081	Renault RLD-4, RLD-3
<i>Other diesel engines where the OEM specifies API CK-4 oil</i>	
<i>15W-40 is backward compatible with API CJ-4, CI-4 PLUS, CI-4, and CH-4</i>	

Typical Properties

ProGuard

Premium CK-4 Heavy Duty Engine Oil

	10W-30	15W-40
Product Code Number	17901	17902
Viscosity, ASTM D-445		
cSt at 100 °C	12.2	15.6
cSt at 40 °C	81.7	113.9
Cold Cranking Simulator, cP, ASTM D-5293	6,200 (at -20°C)	5,500 (at -20°C)
Viscosity Index, ASTM D-2270	145	145
Flash Point, °C (°F), ASTM D-92	237 (458)	226 (438)
Pour Point, °C (°F), ASTM D-5950	-39 (-38)	-33 (-27)
Specific Gravity at 60 °F	0.0865	0.0869
Total Base Number, ASTM D-974	10.0	10.0
Sulfated Ash, % wt., ASTM D-874	1.0	1.0
API Performance Category	CK-4	CK-4

Lyden Oil Company

30692 Tracy Road
Walbridge, OH 43465
1(800)24-LYDEN
local: (419)666-1948
fax: (419)666-8790
gam@lydenoil.com

3711 LeHarms Road
Youngstown, OH 44515
1(800)362-9410
local: (330)792-1100
fax: (330)792-1462
lal@lydenoil.com

16275 National Parkway
Lansing, MI 48906
1(800)968-6457
local: (517)485-2285
fax: (517)485-0605
jtr@lydenoil.com

8151 Millis Road
Shelby Township, MI 48317
local: (586)997-1319
fax: (586)997-1352
jcc@lydenoil.com

3249 Wales Ave. NW
Massillon, OH 44646
local: (330)832-7800
fax: (330)832-2787
lal@lydenoil.com