

CEN-PE-CO S-3 ENGINE OIL

A super high performance oil designed for use in diesel engines without exhaust after-treatment and gasoline engines without catalytic converters. This fully fortified oil contains 50% more detergent and 20% to 80% more ZDDP anti-wear additive than allowed by the most recent specifications that are designed to prolong emissions equipment life. Cen-Pe-Co S-3 Oil is formulated with the superior film strength and heat resistance of Virgin 100% Pure Paraffin base stocks that provide a thicker film and less wear than synthetic hydrocarbon base oils. In addition to the amount of anti-wear additive in a typical racing oil, S-3 contains a special preservative anti-rust additive for extra protection during storage.

IMPROVES YOUR BOTTOM LINE BY PROVIDING:

Up to 50% longer engine life
Less downtime
Up to 3.5% better fuel economy
Extended drain protection

Reduced oil consumption
over the equipment life
Superior rust protection

EXCEEDS SPECIFICATIONS:

API (American Petroleum Institute)

CI-4, CH-4, CG-4, CF-4 (SAE 15W-40 and 10W-30)
CF, CE, CD
CF-2, (SAE 30 AND 40)
SL, SJ (except SAE 10W-30)
SH, SG, SF

INTERNATIONAL SPECIFICATIONS

DHD-1
ACEA E5, E3, E2
JASO DH-1

MANUFACTURERS

Allison C-4, C-3
Caterpillar 1R, 1N, TO-2
Cummins CES 20078, CES 20076,
CES 20071
Detroit Diesel 6V-92TA

John Deere JDQ-78A
Mack EO-N Premium Plus, EO-N, EO-M Plus,
EO-M, EO-L
Mercedes Benz 228.3
Mitsubishi 3D34T4
Volvo VDS-3, VDS-2, VDS

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CEN-PE-CO S-3 ENGINE OIL

CONTAINERS:

55 Gallon Drum
 35 Gallon Drum
 5 Gallon Pail
 2 Gallon Jug (4 per case)

1 Gallon Bottle (6 per case)
 1 Quart Bottle (12 per case)
 (SAE 30 and Multi-Grades)

TYPICAL CHARACTERISTICS:

Viscosity							
SAE	<u>10W</u>	<u>20W</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>10W-30</u>	<u>15W-40</u>
cSt @ 100° C.	7.1	9.1	12.3	15.1	19.9	12.0	15.0
cSt @ 40° C.	49	72	112	151	228	85	115
Viscosity Index	100	100	100	100	100	135	130
TBN (ASTM D4739)	12	12	12	12	12	12	12
TBN (ASTM D2896)	14	14	14	14	14	14	14
Zinc	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%
Sulfated Ash (ASTM D874)	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Pour Point (° F.)(ASTM D97)	-30	-20	0	10	20	-30	-20
Shear Stability (% Loss) (ASTM D3945A)	0	0	0	0	0	2	5