

CEN-PE-CO S-3 ENGINE OIL

A super high performance oil designed for use in light, heavy and extremely heavy-duty service in all sizes of turbo-charged and naturally aspirated diesel and gasoline engines. It is formulated with the superior film strength and heat resistance of Virgin 100% Pure Paraffin base stocks, and fortified with Cen-Pe-Co's exclusive LDA additive package for unsurpassed performance. It also contains a preservative anti-rust additive for extra protection during storage that has been proven effective in the military Mil-L-21260 specification.

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
20 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>
SUS @ 210° F.	50	57	68	83	104	65	82
SUS @ 100° F.	255	374	568	849	1273	352	561
cSt @ 100° C.	7.1	9.1	12.4	16.2	21.4	11.6	16.1
cSt @ 40° C.	49	72	119	177	266	74	117
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