



2200 South Avenue
Council Bluffs, IA 51502
Phone: 800.798.6457
Fax: 712.322.2749

Archer Heavy Duty Engine Oils

High Quality Base Stock Brings You High Quality Protection

Archer Heavy Duty Diesel and Gasoline Engine Oils guarantee you ultimate protection through a high quality base stock and a carefully chosen additive package.

Archer oils begin with success. Extra refinement leads to the highest quality base oil and fewer additives which can break down and fail. Some oil companies would have you believe that obsession with quality is unnecessary. But Archer customers see the difference in longer drain intervals, lower maintenance costs, increased fuel efficiency and less engine wear. Archer customers have learned premium base quality ensures premium performance even under extreme service conditions.



1 PREMIUM ARPECO™
15W-40 API Service CF, CF-4, CI-4Plus, CJ-4/SM

2 ARPECO™ EXTRA LIFE – HEAVY DUTY DIESEL & GASOLINE ENGINE OIL
15W-40 API Service CF, CF-4, CI-4/SL

3 ARPECO™ – HEAVY DUTY ENGINE OIL
10W-30 API Service CF, CF-4, CI-4/SL

4 CHEM LUBE ENGINE OIL

10W	API Service	CF/SJ
20W-20	API Service	CF/SJ
30	API Service	CF2, CF/SJ
40	API Service	CF2, CF/SJ




Archer Arpeco Extra Life Heavy Duty Diesel and Gasoline Engine Oil & Archer Chem Lube Engine Oil meet and/or exceed the following performance requirements:


- OEM Service Mack EO-O Premium Plus, Cat ECF-1 Detroit Power Guard 93K218 (Premium Arpeco™ 15W-40 only)
- Mack EO/M Plus (Arpeco™ Extra Life 15W-40 only)
- Cummins NTC 400 test for oil consumption
- Cummins CES 20076, CES 20078 (Arpeco™ Extra Life 15W-40 only)
- Cummins CES20081 (Premium Arpeco 15W40 only)
- Mack EO/K and EO/K-2 for oxidation control
- Mack EO/L and EO/M for soot control (Arpeco™ only. # Chem Lube only)
- MIL-L-46152D
- MIL-L-2104E and MIL-L-2104F
- Detroit Diesel
- Ford M2C-121B and M2C-153E
- GM 6094M and 6085M
- Daimler-Benz 227 (Arpeco™ only. # Chem Lube only)
- Caterpillar Series 3 and TO-2#

When you consider lubricants make up only 1% of maintenance costs yet protect equipment worth thousands of dollars, it's easy to see why Archer Engine Oil is Quality Worth Talking About . . . and quality worth putting to work for you.



Typical Inspection Data

 Arpeco™ Heavy Duty Engine Oil Arpeco™ Extra Life – Heavy Duty Diesel & Gasoline Engine Oil		
API Service	CI-4/SL	CI-4/SL
SAE GRADE	10W-30	15W-40
Gravity, API	30.0	29.5
Flash C.O.C. °F (Min.) °C (Min.)	421 216	435 224
BPT, °F °C	-20 -24	-13 -25
Cold Crank Simulator Centipoise (cP) @ °C	3100 @ -20	3100 @ -15
Viscosity, cSt @ 40 °C @ 100 °C	67.8 10.5	113 15.5
Viscosity Index	143	135
Pour Point, °F °C	-38 -39	-27 -33
Sulfated Ash, Wt., %	1.4	1.4
TBN	12.4	12.4 *
Zinc, Wt., %	.13	.13
Specific Gravity @ 15.6 °C (60 °F)	.8755	.8790
Pounds Per U.S. Gallon @ 15.6 °C (60 °F)	7.30	7.32

 Chem Lube Engine Oil				
API Service	CF, CF/SJ	CF, CF/SJ	CF2, CF/SJ	CF2, CF/SJ
SAE GRADE	10W	20W-20	30	40
Gravity, API	30.5	29.5	28.5	27.5
Flash, C.O.C. °F (Min.) °C (Min.)	432 222	428 220	432 222	460 238
BPT, °F °C	-28 -33	-16 -27		
Cold Crank Simulator Centipoise (cP) @ °C	2250 @ -20	1450 @ -10		
Viscosity, cSt @ 40 °C @ 100 °C	42.2 7.0	60.6 8.8	100 12.0	151 15.5
Viscosity Index	125	120	110	105
Pour Point, °F °C	-38 -39	-37 -33	-11 -24	+5 -15
Sulfated Ash, Wt., %	1.4	1.4	1.4	1.4
TBN	11.5	11.5	12.2	11.5
Zinc, Wt., %	.12	.12	.12	.12
Specific Gravity @ 15.6 °C (60 °F)	.8730	.8785	.8840	
Pounds Per U.S. Gallon @ 15.6 °C (60 °F)	7.27	7.32	7.36	

*  **Premium Arpeco™** – TBN 10 (CJ-4/SM)