



UNIVERSAL ECO ULTRA SYNTHETIC BLEND ENGINE OILS

Universal ECO Ultra Synthetic Blend CJ-4 oils are premium quality, heavy-duty crankcase oils. They have been formulated with highly re-refined Group II base oils which counteract acids, varnishes and deposits to extend engine life and maintain peak efficiency. The CJ-4 technology provides improved soot control, wear protection, pumpability, and protection from thermal and oxidative breakdown. These products are manufactured with technologies to provide maximum performance in both diesel and gasoline engine service.

Universal ECO Ultra Synthetic Blend CJ-4 oils provide outstanding protection against scuffing of highly loaded cams, hydraulic lifters and other valve train components, resulting in reduced engine wear and increased engine efficiency and power. These products are designed to keep high-output, low emission engine designs clean and working efficiently. Universal ECO Ultra Synthetic Blend CJ-4 oils are an exceptional choice for fleets of diesel engines requiring an API Service Classification CJ-4 and exceed the minimum requirements of the category.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 15W40</u>	<u>SAE 10W30</u>
Viscosity @ -25EC, cP	D5293	N/A	6500
Viscosity @ -20NC, cP	D5293	6000	N/A
Viscosity @ 40NC, cSt	D445	115.00	84.39
Viscosity @ 100NC, cSt	D445	15.1	11.60
Viscosity Index	D2270	135	145
Flash Point, COC, NC	D92	232	221
Flash Point, COC NF	D92	450	430
Pour Point, NC	D97	-33	-36
Pour Point, NF	D97	-27	-33
Color	D1500	2.0	2.0
Gravity, NAPI	D287	30.0	30.8
Sulfated Ash, %	D874	1.0	1.0
Zinc, %	D4951	0.13	0.13
Total Base No. (TBN)	D2896	9.0	9.0

Meets or exceeds the following tests and requirements:

- API Service Classification – CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF, SL
- Caterpillar - ECF-1, ECF-3, C-13
- Mack - EO-N Prem Plus 03
- Cummins - CES 20081
- Detroit Diesel - 93K214, 93K215, 93K217, 93K218 (15W40)
- General Motors - 6.5L (RFWT)
- Navistar (International Harvester Company) - HEUI Foam
- Volvo - VDS-2, VDS-3 (15W40)
- Global - DHD-1
- JASO - DH-1
- Daimler Chrysler - P228.3
- ACEA – E7-04, E2, E4
- John Deere - Plus - 50