



HICKS oils
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CF, CF-2/SL Monograde Diesel Motor Oils

Nature's Choice® CF-2, CF/SL Diesel Motor Oils are for use in diesel engines under service conditions from mild to heavy duty with fuel of any sulfur level. The current formulations meet API Service Classifications up to CF, CF-2. Several viscosity grades are also suitable where Allison C-4 or Caterpillar TO-2 fluids are specified. Follow the performance specifications below.

These oils should not be used in Caterpillar TO-4 applications, two-cycle gasoline engines, aircraft engines, or EMD Diesel engines. Always follow manufacturer's recommendations for API specification and grade.

The Nature's Choice® product line was developed in response to President Clinton's Executive Order 13101 which mandated the use of motor oils with re-refined content for government use. Since that time, the Nature's Choice® product line has grown from motor oils to include many other types of lubrication. Blending virgin and re-refined base stocks with quality additive chemistry, Nature's Choice® brand products are able to meet the top performance grades required for today's lubrication requirements, while being more environmentally friendly.

Performance Specifications:

Product Code	101111	101112	101113	101114	101115
Specification	10W	20W	30	40	50
API CD*	X	X	X	X	X
API CD-II*			X	X	X
API CE*	X	X	X	X	X
API CF	X	X	X	X	X
API CF-2			X	X	X
API SH	X	X	X	X	X
API SJ		X	X	X	X
API SL		X	X	X	X
Allison C-4	P		P		
CAT TO-2	X	X	X	X	

X = Meets requirements
* = Obsolete Service Category
P = Meets performance requirements, follow viscosity

Typical Properties:

Product: CF, CF-2/SL Monograde Diesel Motor Oils					
Product Code	101111	101112	101113	101114	101115
SAE Viscosity	10W	20W	30	40	50
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	7.0	8.5	11.0	14.0	18.0
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	44	63	95	135	200
Viscosity Index (ASTM D-2270)	110	105	105	100	100
API Gravity (ASTM D-1298)	30.8	30.0	28.0	27.0	27.0
Sulfated Ash, % (ASTM D-874)	0.9	0.9	0.9	0.9	0.9
Total Base Number (ASTM D-2896)	7.5	7.5	7.5	7.5	7.5