

ChevronTexaco 5R Neutral Oil

Category : Fluid , Lubricant

Material Notes:

FeaturesChevron Neutral Oils are all-hydroprocessed, highly refined API Group II paraffinic base stocks. Their extremely low sulfur, nitrogen, and aromatic content give them excellent thermal and oxidation stability. These base oils provide excellent cold flow performance because the ISODEWAXING® catalyst and technology convert almost all of the wax in the feed into branched compounds. Chevron Neutral Oils offer the following characteristics relative to typical Group I (solvent refined) base stocks: Lower volatility and cold cranking simulator (CCS) viscosity to meet modern engine oil specifications such as ILSAC GF-3 Better oxidation and thermal stability Lower aromatics, sulfur and nitrogen Improved response to pour point depressants Improved soot dispersancy in heavy duty motor oil formulations Chevron Neutral Oils 100R, 220R, and 600R are API Group II base stocks with a typical viscosity index of 99-103. Chevron Neutral Oil 5R is a 5 cSt Group II "plus" base stock with a typical viscosity index of 115-117. It was designed to meet the low volatility requirements of next generation (ILSAC GF-3) passenger car motor oils while maintaining API Group II status. **Applications**When combined with properly selected additives, Chevron Neutral Oils are ideal for blending a wide variety of finished products, including: Passenger car motor oils Heavy duty motor oils Industrial engine oils Tractor hydraulic fluids Transmission fluids Gear oils Greases Hydraulic oils Ammonia refrigeration oils Paper machine oils Compressor oils Process oils Lubricant additives

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http://www.lookpolymers.com/polymer_ChevronTexaco-5R-Neutral-Oil.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.8428 g/cc	0.8428 g/cc	
API Gravity	36.4 °	36.4 °	
Viscosity	1500 cP @Temperature -20.0 °C	1500 cP @Temperature -4.00 °F	Cold Crank
Viscosity Measurement	117	117	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	123 SUS	123 SUS	
Kinematic Viscosity at 40°C (104°F)	23.5 cSt	23.5 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	4.7 cSt	4.7 cSt	ASTM D445
Collected Volatile Condensable Material	3.0 %	3.0 %	ASTM D2887
Evaporation Loss	15 %	15 %	CEC L-40-A-93

Thermal Properties	Metric	English	Comments
Pour Point	-15.0 °C	5.00 °F	ASTM D97
Flash Point	215 °C	419 °F	ASTM D92

Descriptive Properties	Value	Comments
Aromatics, by HPLC, %	<1	
Carbon Type by n-d-m, % Naphthenic	25	
Carbon Type by n-d-m, %Aromatic	>1	
Carbon Type by n-d-m, %Paraffinic	75	
Color	L 0.5	
Saturates, by HPLC, %	>99	
Sulfur, ppm	<6	
Water Separability, Minutes to 0 mL emulsion	15	
Water, ppm	25	

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