



## DATA SHEET

### PRODUCT INTRODUCTION:

**VT5301** Universal Type Engine Oil Package is formulated with a number of high-quality detergent, dispersant, ZDDP and other additive components. The engine oil blended with this package provides excellent soot disperancy, high temperature detergency, anti-oxidation, anti-wear and anti-corrosion performance, and this package can meet various performance categories with different treat rates.

### RECOMMENDED TREAT RATE:

This product used in API group I, II base oils is able to formulate gasoline or diesel engine oil with various different viscosity grades covering 5W-30, 10W-30, 10W-40, 15W-40, 20W-50, 40, 50.

### TECHNICAL SPECIFICATION:

API PERFORMANCE LEVEL	TREAT RATE	API PERFORMANCE LEVEL	TREAT RATE
CF-4/SG	6%	CD/SD	2.8%
CF/SF	4.2%	SD/CC	2.7%
SF/CD	3.5%	SC/CC	2.5%
CD	2.6%(single grade)	SB/CB	1.6%

ITEM	INDEX	TYPICAL VALUE	TEST METHOD
Appearance	Brown viscous liquid	Brown viscous liquid	Visual Inspection
Density (20°C), kg/m <sup>3</sup>	1019-1059	1039	ASTM D4052
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	Report	109	ASTM D445
Flash Point (COC), °C	≥180	226	ASTM D92
Total Base Number, mgKOH/g	155-181	168	ASTM D2896
Ca Content, m%	5.35-6.53	5.94	ASTM D4951
Zn Content, m%	1.71-2.09	1.90	ASTM D4951
P Content, m%	1.48-1.80	1.64	ASTM D4951
N Content, m%	0.46-0.62	0.54	ASTM D5762

# VT5301

CF-4/SG ENGINE OIL PACKAGE



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### PRODUCT STORAGE/HANDLING/TRANSPORTATION/PACKAGE:

- Packed in 200L iron drums or as required by customers, subject to the actual weight.
- The long-term storage temperature shall not exceed 45°C, and the loading/unloading or blending temperature shall not exceed 65°C
- This product is not flammable, explosive and corrosive. In terms of safety, environmental protection and use, it is the same as general petroleum products with no special protection required.