

# VT5144 SP

## GASOLINE ENGINE OIL PACKAGE



## DATA SHEET

### PRODUCT INTRODUCTION:

**VT5144** Gasoline Engine Oil Package is formulated with a number of high-quality detergent, dispersant, anti-oxidant, anti-friction and anti-wear additive components. The 5W-30 oil blended with this package passed all the required engine tests of API SP gasoline engine oils standards. This product is also able to formulate SP specification gasoline engine oils when blending with appropriate Group II and III base oils and viscosity index modifier, pour point depressant and defoamer, with viscosity grade covering 5W-20, 5W-30, 10W-30, 10W-40 and 15W-40.

The recommended treat rate is 8.2%.

The main performance characteristic of the product: Excellent high temperature detergency, sludge dispersancy and anti-oxidation and anti-corrosion performance, able to effectively inhibit oil oxidation, degradation and formation of deposit; provides outstanding LSPI, timing chain wear and valve wear train protection for the engine; low phosphorous formula protects 3-way catalyst and reduces pollution.

### TECHNICAL SPECIFICATION:

API PERFORMANCE LEVEL	SAE VISCOSITY GRADE	TREAT RATE
SP	5W-20, 5W-30, 10W-30, 10W-40, 15W-40	8.2%

ITEM	INDEX	TYPICAL VALUE	TEST METHOD
Appearance	Brown viscous liquid	Brown viscous liquid	Visual Inspection
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	Report	122	ASTM D 445
Density (20°C), kg/m <sup>3</sup>	950-990	970	ASTM D 4052
Flash Point (COC), °C	≥180	≥210	ASTM D 92
Total Base Number, mgKOH/g	93-115	104	ASTM D 2896
Ca Content, m%	1.15-1.41	1.28	ASTM D 4951
Zn Content, m%	0.90-1.10	1.00	ASTM D 4951
P Content, m%	0.80-0.98	0.89	ASTM D 4951
N Content, m%	1.07-1.47	1.27	ASTM D 5762
Mg Content, m%	0.68-0.84	0.76	ASTM D 4951
Mo Content, m%	0.09-0.15	0.12	ASTM D 4951
Sulfated Ash, m%	Report	9.30	ASTM D 874



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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.