

# SAMIC VITAL JADE SN series

Multigrade Gasoline and Diesel – Fully Synthetic Engine Oil



## Product Data Sheet

### Product Description

SAMIC VITAL JADE SN series is formulated with fully synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline and diesel fueled automobiles and light duty trucks requiring an API SN specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

### Features & Benefits

- Excellent fuel economy & easy cold starts due to extreme fluidity at low temperatures.
- High resistant oil film even at high engine operating temperatures.
- Excellent detergency and dispersancy, reduces sludge formation which improves engine cleanliness.
- Excellent oxidation & thermal stability, helps in extending oil drain intervals.
- Outstanding wear protection for greater engine reliability and performance.

### Specifications

**SAMIC VITAL JADE meets or exceeds following International and Builder specifications:**

- API SN, SM, SL, SJ, CF
- ACEA A3/B3, A3/B4-16
- VW 501 01/505 00/505.001
- MB 229.5/229.3/229.1
- BMW Long Life- 01 (5W40 only)
- Renault RN 0710/0700
- Porsche A40 (5W40 only)

**SAMIC VITAL JADE 5W30 SN has the following builder approvals:**

- API SN Engine Test Requirements, SL, CF
- ACEA A5/B5-16 & A1/B1-12
- Renault RN 0700
- Ford WSS-M2C913- C/D
- Jaguar Land Rover STJLR 03.5003

### Application

SAMIC VITAL JADE series is suitable for use in following:

- Latest automotive gasoline and diesel engines (without Diesel Particulate Filters or DPFs).
- Passenger cars, SUVs, light trucks and vans.
- Suitable for all petrol engines with multi-valve & turbo types and with or without catalytic converter.
- Naturally aspirated or turbo-charged diesel engines in cars and light vans.
- Fuel injected or indirect injection diesel engines fitted with blow-by recirculation systems.

### Typical Characteristics

SAMIC VITAL JADE	Test Method	Units	5W-30	5W-40	5W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850	0.855
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30	20.50
Viscosity @ 40 °C	ASTM D 445	cSt	58.65	88.6	140.55
Viscosity Index	ASTM D 2270	-	169	168	170
Pour Point	ASTM D 97	°C	-39	-39	-39
Flash Point (COC)	ASTM D 92	°C	212	228	230
Total Base Number	ASTM D 2896	mg KOH/g	10.2	10.2	10.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4650 @ -30 °C	5850 @ -30 °C

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*