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# PRODUCT INFORMATION

A PRODUCT OF HANVAL INC. UNDER LICENSING AGREEMENT WITH VALVOLINE INC., U.S.A.

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## **Turbo C3**

100% Synthetic engine oil for all kinds of automobiles as well as DPF installed automobiles.

The most of Diesel Automobile, which is current coming out, has Diesel Particulate Filter device (DPF, CPF) to reduce emission (PM, Nox). But Exist normal engine oil unable the capability of DPF to be demonstrated well and makes the span of DPF device be shortened, Therefore, Valvoline launched New engine oil (Low SAPS ; **Valvoline Turbo C3**) in accordance with customer request..

**Valvoline Turbo C3** prevents the reduction of the performance & the span of DPF as makes the contents of Sulfated Ash, Phosphorus, and Sulphur be lowered which is harmful for catalyst & filter used for DPF device.

**Valvoline Turbo C3** is excellent in starting the car in low temperature, in Viscosity Retention, and in Oxidation Stability as it is made by high level synthetic basic oil & the additives produced by european advanced technology.

Performance Level	Viscosity Grade
ACEA C3, A3/B4, MB 229.51, VW50200/50500/50501	SAE 5W30
Typical Properties	SAE 5W30
Specific Gravity (15/4°C)	0.8529
Coefficient of Viscosity (100°C, cSt)	11.13 ~ 12.13
Coefficient of Viscosity (40°C, cSt)	67.04
Viscosity Index	170
Flashing Point (°C)	230
Pour Point (°C)	- 37.5
Low temp. Viscosity (C.C.S., cP)	5,993 (-30°C)
TBN (mg·KOH/g)	6.62 ~8.02
TAN (mg·KOH/g)	1.72