



## Typical Chemical Characteristics

### Product:

**Axion I SHPDO SAE 20W-50 & 15W-40**

### Description:

Super High Performance Diesel Oil (**SHPDO**) with green characteristic colour, which is special formulated for heavy duty diesel engines where the manufacturer suggests **Full SAPS** technology. It is designed after laboratory tests and engine tests, under the most contrary conditions, suitable for any type of diesel engines and also is suitable for gasoline engines too.

### **Offers:**

- \* Engine cleanliness by preventing black mud formation.
- \* Perfect lubrication which minimizes friction – degradation.
- \* Perfect protection against corrosion for maximizing engine's life.
- \* Extended oil drains intervals.

### Characteristics:

Property	Method	Unit	20W-50	15W-40
Specific Gravity 15°C	ASTM D 1298	kg/L	0,891	0,88
Viscosity at 100°C	ASTM D 445	cSt	16,3 – 21,9	12,5 – 16,3
Viscosity Index	-	-	>120	>120
Pour Point	ASTM D 97	°C	<-20	<-20
Flash Point	ASTM D 92	°C	>210	>210
Total Base Number	ASTM D 2896	mgKOH/g	9 – 11	9 – 11
Color	-	-	Crystal green	Crystal green
Cold Cranking Simulator	ASTM D 5293	mPa-s	<4500 @ -10°C	<3500 @ -15°C

### Specifications:

ACEA: E7-04, A3/B3-08 & A3/B4-08,  
 API: CH-4/CF/SL, MB p 228.3, MAN 3275,  
 MTU Type 2, Volvo VDS-2, Renault RD2,  
 Mack EO-M Plus, Cummins 20076/20077 & Caterpillar ECF-1a

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