

## CHAMPION HDS MOTOROIL SF/CC

### DESCRIPTION :

Monograde oils for the lubrication of most petrol and diesel engines. The viscosity (SAE-class) is chosen in function of the climatic conditions : the lower degrees (SAE 10W and 20W) are for the colder areas and the higher degrees are for the moderate and warmer areas. The oils combine excellent anti-wear and anti-sludge properties with a good detergent activity. They may not be used in turbo diesel engines.

### APPLICATIONS :

These oils can be used in the following applications :

Atmospheric aspirated diesel for operation in normal conditions.

Gasoline engines for cars and light trucks.

Hydraulic oil when the constructors recommend to use a monograde oil of the API class CC.

### SPECIFICATION LEVEL :

API	SF/CC	MIL	MIL-L-46152 B
CCMC	G2/D1		MIL-L-2104 B
MB	226.0		

### TYPICAL CHARACTERISTICS :

Test	Method	Unit	Average result					
			10W	20W	30	40	50	60
SAE-class			10W	20W	30	40	50	60
Density at 15°C	D 4052	kg / m <sup>3</sup>	874	886	891	896	898	902
Viscosity at 40°C	D 445	cSt	32,5	54	103	152	210	321
Viscosity at 100°C	D 445	cSt	5,6	7,7	11,3	14,6	17,6	24,0
Viscosity index	D 2270		111	106	95	94	90	95
Pour point	D 6892	°C	-31	-27	-21	-9	-9	-9
TBN	D 2896	g KOH/kg	4,4	4,4	4,4	4,4	4,4	4,4
Flash point COC	D 92	°C	214	224	240	245	247	262
Sulphated ash	D 874	mass %	0,76	0,76	0,76	0,76	0,76	0,76

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.