PRODUCT DATA SHEET

eni Acer ID

eni Acer ID oils are high quality oils for use in circulation systems and in hydraulics circuits. They are obtained from selected paraffinic base stocks treated with antioxidant and antirust additives (R & O oils, ISO-L-DAB, ISO-L-HL classifications). They are available in many grades that cover a very broad range of viscosity and are therefore able to meet all requirements of practical interest.

CHARACTERISTICS (TYPICAL FIGURES)

eni Acer ID

ISO VG		10	22	32	46	68
Appearance	-	B & C	B & C	B & C	B & C	B & C
Density at 15°C	kg/L	0.843	0.846	0.865	0.868	0.872
Viscosity at 40°C	cSt	9.5	21.5	31.1	43.5	64.8
Viscosity at 100°C	cSt	2.6	4.4	5.4	6.7	8.8
Viscosity Index	-	105	115	108	107	108
Flash Point COC	°C	150	226	216	226	234
Pour Point	°C	-33	-33	-24	-24	-12

eni Acer ID

ISO VG		100	150	220	320
Appearance	-	B & C	B & C	B & C	B & C
Density at 15°C	kg/L	0.875	0.882	0.889	0.897
Viscosity at 40°C	cSt	98.1	148.3	203.8	312.7
Viscosity at 100°C	cSt	11.5	15.0	18.4	23.9
Viscosity Index	-	105	101	100	97
Flash Point COC	°C	250	268	280	282
Pour Point	°C	-12	-12	-9	-9

PERFORMANCE LEVEL

eni Acer ID products is approved or meet requirements of the following specifications :

- ISO-L-HL
- DIN 51524 TEIL 1 HL
- BS 4231 HSC
- AFNOR NF E 48603 HL
- ISO-L-DAB
- DIN 51056 VBL
- DENISON HF 1A

eni Acer ID

PRODUCT DATA SHEET

TECHNICAL ADVANTAGE

- eni Acer ID oils have a high viscosity index which minimizes changes in viscosity and hence in the load bearing capacity of the lubricant film over a wide range of operating temperatures.
- Their outstanding antifoam properties and capacity to release entrained air rapidly ensure excellent incompressibility. This property, which is required by hydraulic fluids, prevents any pumping and circulation troubles, and reduces the rate of thermal and oxidation alteration.
- All grades have good anti-rust properties and oxidation stability and also aging resistance.
- All grades posses good water-separability ability and so do not form stable emulsions, with consequent loss of lubricating power.

APPLICATION

eni Acer ID oils are hydraulic fluids suitable for both hydrostatic and hydrodynamic circuits (with the exception of special automatic car transmissions), particularly when high aging resistance, antirust properties and demulsibility are required.

They must not however be used when the pumps or the equipment installed need boundary layer lubrication, since they do not posses anti-wear properties.

The oils are used for lubricating air compressors and can also be employed for uses other than lubrication, where the properties of high-quality paraffinic oils are needed.