

General Industrial Oil 30W

Bardahl General Industrial Oil series contains multiple corrosion retardant components, which function as a barrier against corrosion and oxidation.

The problem

Friction between machine parts costs more energy, causes high temperatures and causes extra friction and wear. Heavy loads such as continuous operation, high engine speeds and unfavorable environmental conditions increase this effect and result in higher maintenance costs and longer machine or vehicle downtime.

Industrial machines are often heavily loaded at high speeds, as a result of which the increasingly hot oil will form foam. This heat and foam reduce the lubricating ability of the oil. This reduction in lubricating power automatically leads to increased friction and therefore wear. A special anti-foam addition prevents foaming and ensures that the oil lubricates well even at high speeds.

Bardahl's polar attraction formula ensures that old deposits are removed and forms a lubricating film, which can tolerate pressures and temperatures, many times higher than that of ordinary oils.

Analysis data

Test			Results
Classe - SAE	Method	Unit	General Industrial Oil 30W
Viscosity at 100°C	ASTM D445	mm ² /s	11.5
Viscosity at 40°C	ASTM D445	mm ² /s	100
Viscosity Index	ASTM D2270		105
Viscosity; mpa/s at -10°C	ASTM D5293	mpa/s	3600
Straight Ash;		wt.%	0.70
Sulfated Ash;	ASTM D874	wt.%	0.80
Pourpoint; °C	ASTM D6892	°C	-27
Color;	ASTM D1500		2.5
Specific Gravity at 15/15°C	ASTM D4052	g/ml	0.890
Flashpoint; COC;	ASTM D92	°C	232
Firepoint; COC;		°C	262
ISO VG			100

Analysis data

Test			Results			
Classe - SAE	Method	Unit	20W	30W	40W	50W
Viscosity at 100°C	ASTM D445	mm ² /s	8.5	11.5	15.0	20.0
Viscosity at 40°C	ASTM D445	mm ² /s	60	100	152	235
Viscosity Index	ASTM D2270		112	105	100	100
Viscosity; mpa/s at -10°C	ASTM D5293	mpa/s	1900	3600		
Straight Ash;		wt.%	0.70	0.70	0.70	0.70
Sulfated Ash;	ASTM D874	wt.%	0.80	0.80	0.80	0.80
Pourpoint; °C	ASTM D6892	°C	-33	-27	-21	
Color;	ASTM D1500		2.0	2.5	2.5	3.0
Specific Gravity at 15/15°C	ASTM D4052	g/ml	0.885	0.890	0.895	0.900
Flashpoint; COC;	ASTM D92	°C	216	232	238	248
Firepoint; COC;		°C	236	262	278	288
ISO VG			68	100	150	220



PRODUCT INFORMATION

Article number 75055-30W
Contents 5 liter

Article number 75082-30W
Contents 25 liter

Article number 75086-30W
Contents 60 liter

Article number 75092-30W
Contents 210 liter