General Industrial Oil 20W

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 20W**
Viscosity at 100°C	ASTM D445	mm²/s	8.5
Viscosity at 40°C	ASTM D445	mm²/s	60
Viscosity Index	ASTM D2270		112
Viscosity; mpa/s at -10°C	ASTM D5293	mpa/s	1900
Straight Ash;		wt.%	0.70
Sulfated Ash;	ASTM D874	wt.%	0.80
Pourpoint; °C	ASTM D6892	°C	-33
Color;	ASTM D1500		2.0
Specific Gravity at 15/15°C	ASTM D4052	g/ml	0.885
Flashpoint; COC;	ASTM D92	°C	216
Firepoint; COC;		°C	236
ISO VG			68

Analysis data

Test			Results			
Classe - SAE	**Method**	**Unit**	**20W**	**30W**	**40W**	**50W**
Viscosity at 100°C	ASTM D445	mm²/s	**8.5**	11.5	15.0	20.0
Viscosity at 40°C	ASTM D445	mm²/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

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Article number 75055-20W
Contents 5 liter

Article number 75082-20W
Contents 25 liter

Article number 75086-20W
Contents 60 liter

Article number 75092-20W
Contents 210 liter

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