



GIANT 1020

Description

Monograde mineral lubricant oil with great detergent power. Specially recommended for public works machinery and stationary engines.

Also suitable for use in aspirated and slightly supercharged diesel engines working in moderate or severe conditions with frequent drainage periods.

Properties

- Its high detergency eliminates the products produced by the combustion of the hottest parts of the engine. It keeps the segment shafts clean and ensures perfect watertightness.
- Conservation and prolongation of engine life.
- Its alkaline reserve (TBN) enables it to protect the engine against corrosion by neutralizing the acids formed in the combustion of diesel with different sulphur contents.
- It maintains an adequate pressure in all working conditions.
- Good anti-wear properties, which leads to minimal wear in engine parts; the latter maintains its maximum power for a long time.

Quality levels, approvals and recommendations

- ACEA: E2
- API: CF/SF
- MAN: 270
- MTU: Type 1
- ALLISON: C-3
- CATERPILLAR: CAT TO-2
- MB: 228.0

Technical specifications

	UNIT	METHOD	VALUE		
SAE Grade			30	40	50
Density at 15 °C	g/cm ³	ASTM D4052	0.892	0.896	0.901
Kinematic viscosity at 100 °C	cSt	ASTM D445	11.8	14.9	19.3
Kinematic viscosity at 40 °C	cSt	ASTM D445	105	148	218
Viscosity index	-	ASTM D2270	100	100	100
Flash point, open cup	°C	ASTM D92	>215	>225	>225
Pour point	°C	ASTM D97	-24	-21	-18
TBN	mg KOH/g	ASTM D2896	8.9	8.9	8.9
Sulphated ashes	% in weight	ASTM D874	1.3	1.3	1.3

The above mentioned characteristics are typical values and should not be considered product specifications.