



GANESH BENZOPLAST LTD.

DISPERSANT ADDITIVE – GL 1951

TECHNICAL DATA SHEET

INTRODUCTION

GL 1951 is a ashless succinimide lubricating oil additive with extended thermal stability. It is generally used with alkaline detergents, corrosion and oxidation inhibitors, in gasoline and diesel engine oils. This additive provides excellent low temperature sludge and varnish control in gasoline engines and effective dispersancy for deposit control in both medium-speed and high temperature super-charged diesel engines.

FORMULATION

Recommended at:

0.5% to 5.0%
by weight

0.5% to 5.0%
by volume

in crankcase engine oils, in combination with detergent and inhibitor chemicals to improve lubricant dispersancy properties for engines operating under low and high temperature conditions.

APPLICATIONS

- Lubricant and fuel additives
- Emulsifiers
- It diffuses sludge, carbon, soot, oxidation products, and other deposit precursors in engine oils.
- The result is reduced deposit formation, less oil oxidation, and less viscosity increase.
- An ashless dispersant additive and has low chlorine content.

TYPICAL PROPERTIES

Chemical

Nitrogen, wt%ASTM D5291 1.2

TBN, mg KOH/g.....ASTM D2896 21

Physical

Specific Gravity, @ 15.6°C.....ASTM D4052 0.915

Flash, COC °C.....ASTM D92 175

Viscosity, cSt @ 100°CASTM D445 350

Color, diluteASTM D1500 3.0

HANDLING

Maximum temperatures of 90 °C for handling and 45 °C for longterm storage are recommended. Ordinary precautions for handling concentrated chemicals and blending additives into base oils should be observed.



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SPECIFICATION SHEET

TEST	PROCEDURE	MIN	MAX
1. PRIMARY ANALYSIS			
Specific Gravity @ 15.6° C	GL-GR-1	0.9	0.93
Viscosity @ 100° C., cst	ASTM D 445	300	370
Color, ASTM Dilute	ASTM D 1500	3.0	5.0
% Water	ASTM D 95	0.1	0.5
Blot	GL-BL-1A	PASS	PASS
Clarity	CLARK CLAR.	PASS	PASS
Nitrogen	GL-Ni-6	1	1.4
Turbidity	GL-JTU-1	40	65
2. SECONDARY ANALYSIS			
Viscosity @ 40° C., cst	ASTM D 445	4900	5500
Flash point, ° C., PMCC	ASTM D 93	170	195
Pour Point, ° C.	ASTM D 97	-1	-9
TBN	GL-NN-29D	17	25