

essenza GEARBOXe EP

series



mineral plus



APPLICATIONS AND SPECIFICATIONS

- AIST 224
- AGMA 9005-F16
- DAVID BROWN S1.53 101
- ISO-L- CKD

PRODUCT DESCRIPTION

A line of premium industrial Extreme Pressure (EP) gear oils specially formulated with high quality mineral base stock and advanced additive technology. These oils provide excellent protection for gears operating under severe service conditions, where high loads and low speeds are expected.

PROPERTIES AND PERFORMANCE

- Satisfies a wide range of industrial service requirements, for example gears involved in severe duty operation (ISO-L-CKD).
- Excellent oxidation stability which minimises the tendency of viscosity increase and thus effective in maintaining optimal viscosity oil film strength in the long term.
- Outstanding antiwear and EP protection that greatly reduces undesirable wear and micropitting caused by high and shock loads during operation, leading to smooth operation with high transmission efficiency.
- Good demulsibility properties together with rust and corrosion resistance help to protect lubricated parts even when moisture or external contaminants are present.
- Its antifoam qualities reduce the formation of air bubbles thus ensures consistent supply of lubrication during operation.
- Good compatibility with most industrial seals and gaskets while are not corrosive to metallic components such as iron, steel, copper, and bronze.



essenza



Hotline Tel.: +65 6659 1250

www.essentialubricants.it

3791 Jalan Bukit Merah, #04-07 E-Centre@Redhill, Singapore 159471

Disclaimer: The information contained herein is provided as a guideline and may change without notice. Italco therefore declines any liability for the improper use of the product information. We suggest that you contact our technicians in order to obtain up-to date information on product specifications and applications.

CHARACTERISTICS (TYPICAL FIGURES)

ISO Viscosity Grade		68	100	150	220
Viscosity at 100°C	mm ² /s	8.6	11.0	14.6	19.3
Viscosity at 40°C	mm ² /s	68	100	150	220
Viscosity Index	-	97	94	96	99
Flash Point COC	°C	>200	>200	>200	>200
Pour Point	°C	-21	-24	-21	-18
Mass density at 15°C	kg/l	0.881	0.889	0.894	0.899

ISO Viscosity Grade		320	460	680
Viscosity at 100°C	mm ² /s	24.0	30.5	39.7
Viscosity at 40°C	mm ² /s	320	460	693
Viscosity Index	-	95	96	97
Flash Point COC	°C	>200	>200	>200
Pour Point	°C	-15	-12	-15
Mass density at 15°C	kg/l	0.899	0.902	0.903



essenza



Hotline Tel.: +65 6659 1250
www.essenzalubricants.it

3791 Jalan Bukit Merah, #04-07 E-Centre@Redhill, Singapore 159471

Disclaimer: The information contained herein is provided as a guideline and may change without notice. Italso therefore declines any liability for the improper use of the product information. We suggest that you contact our technicians in order to obtain up-to date information on product specifications and applications.