Balmerol® Aquaroll 632 (BI)

High Performance Cold Rolling Semi-Synthetic Oil Technical Data Sheet

Product Description:

Balmerol Aquaroll 632 (BI) is a semi-synthetic Cold Rolling oil. This product caters to the demands of modern 6-Hi Cold Rolling mills operating at high speed. It's synergistic blend of synthetic esters with performance enhancing additives package provides desired lubricity, load bearing ability for thin gauge rolling at high speed and resistance to oxidation & microbial growth.

Features & Benefits:

Balmerol Aquaroll 632 (BI) is especially formulated to provide:

- Excellent gauge reduction characteristics.
- Enhanced roll life and vastly improved emulsion life leading to direct scope of productivity improvement.
- Good strip cleanliness, provided by inherent detergency and good burn off characteristics of this oil results in improved quality of rolled steel.
- Much reduced specific oil consumption also ensures direct savings to the user.

Applications / Recommendations:

For best performance, Balmerol Aquaroll 632 (BI) is recommended to be used at emulsion strength of 3 - 5%. The emulsion should be made with de-mineralized water with low chloride and sulphate content, with pH in the range of 5 - 6 depending on output gauge of strip.

Facility for mechanical agitation of emulsion by stirrer, fully operational recirculation facility and electrical heating for maintaining the emulsion at 57 – 62 ^{o}C is required. These would ensure good emulsion health & rolling performance.

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Typical Properties:

Balmerol Aquaroll 632 (BI)	
Properties	**Aquaroll 632 (BI)**
Colour & Appearance	Brown Liquid
Kinematic Viscosity cst @ 40°C	47 -55
Specific Gravity @ 30°C	0.900 - 0.930
Acid Value, mg KOH/g, max	10
Saponification Value, mg KOH/g	190 - 200
pH , 5% Emulsion In RO Water	5 - 6
ESI @ 60°C in RO water	0.45 - 0.60

Health and Safety:

Balmerol Aquaroll 632 (BI) is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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