



GULF WESTERN OIL
THE TOUGH AUSTRALIAN

ROCK DRILL OIL

ISO VISCOSITY GRADES 100, 150, 220, 320 AND 460

DESCRIPTION

Rock Drill Oils are specially formulated for the lubrication of percussion type air tools. They have good EP properties, provide good rust protection, are non corrosive to air tool parts and resist water washing. They are available in ISO viscosity grades 100, 150, 220, 320 and 460 to provide the correct choice for most operating or climatic conditions in Australia.

SUMMARY OF BENEFITS

- Protects surfaces in wet conditions: Resist water washing by emulsifying slightly with moisture to form a strongly adhering lubricating film that provides good wear protection, protects against rusting and corrosion and resists removal by additional water.
- Prolongs equipment life: Excellent extreme pressure and anti-wear properties are demonstrated by the ability of Rock Drill Oil to exceed Gardner-Denver's Modified Weeks EP Test requirement of 2110 Mpa (300,000 psi). In service, wear due to high speeds and heavy or shock loads is minimised. Inclusion of a tackiness agent insures adhesion to drill surfaces.
- Trouble free operation: Highly refined base oils with low carbon forming characteristics and oxidation inhibitors prevent the formation of sludge and deposits which can produce sluggish valve action. Effective antifoam inhibitor resists foaming in air-line lubricators so oil feed to the tool will be uniform and easily controlled. Special anti-fogging additive minimises formation of fog in the drill exhaust.
- Meets the following specifications: - DIN 51517 Part 3, - US Steel 224

RECOMMENDATIONS

- Percussion type air tools of all kinds, including rock drills, concrete and paving breakers (jack hammers), pneumatic pile drivers, ballast tampers, rammers, riveting and chipping hammers etc.

PERFORMANCE CHARACTERISTICS

Rock Drill oils are suitable for use with equipment from Atlas Copco, Consolidated Pneumatic, Gardner Denver, Ingersoll Rand, Yamamoto and other manufacturers except for Holman and Broomwade - use SUPERDRAULIC 32 or TORQUE OIL SAE 10W.

GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD

Head Office: 92-96 Links Road, St Marys NSW 2760 - PO BOX 515 Kingswood, NSW 2747

Phone: 02 9673 9600 - **Fax:** 02 9623 6466 - **Email:** sales@gulfwestern.com.au - **Web:** www.gulfwestern.com.au

ACN: 087 558 398



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SERVICE CONSIDERATIONS

Percussion air tools are normally lubricated by oil mist carried in the air supplied to the tool. The oil may be supplied from an integral reservoir in the tool, an air-line lubricator or, in the case of larger, crawler mounted drills, from a central reservoir.

In the case of air-line lubricators particularly, the amount of oil picked up and carried by the air stream depends to a considerable extent on the viscosity of the lubricant in the lubricator. This in turn is a function of both the viscosity grade of the lubricant selected and the temperature of the lubricant in the lubricator, as determined by the temperature of the ambient air surrounding the lubricator and the temperature of the compressed air reaching it.

Where tools are not operated continuously, or the air receiver is located far enough from the tools so that the compressed air cools before reaching the lubricators, the ambient air temperature is generally the controlling factor in obtaining proper life and reliable operating from percussion type air tools.

Except for the smallest tools, air-line lubricators of the proper size should be installed at the correct distance from the tool (about 3 to 4 metres).

Maintenance schedules should be arranged so that the lubricators are relled at the correct intervals to prevent the tools from being run dry. Periodic blowing of the air lines to remove collected water and dirt will also assist in obtaining good lubrication.

STORAGE

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.



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PRODUCT DATA SHEET

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TYPICAL CHARACTERISTICS

ROCK DRILL OIL	Test Method	Units	100	150	220	320	460
Density @ 15°C	ASTM D1298	kg/L	0.88	0.88	0.892	0.895	0.897
Kinematic Viscosity							
@ 40°C	ASTM D445	cSt	100	150	220	320	460
@ 100°C	ASTM D445	cSt	12.0	14.5	18.9	26	35
Viscosity Index	ASTM D2270	-	95	95	96	106	100
Pour Point	ASTM D97	°C	-24	-24	-15	-9	-5
Flash Point (COC)	ASTM D92	°C	204	204	232	232	232
Phosphorus	-	%mass	0.05	0.05	0.05	0.05	0.05
Molybdenum	-	%mass	0.04	0.04	0.04	0.04	0.04

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

AVAILABLE PACK SIZES

150: 205lt - 30049, 20lt - 32049

320: 205lt - 30096, 20lt - 32096

*Others by request only

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