

GREASE-PLUS BIO WRS 0

BIODEGRADABLE GREASES

326200101



SYNTHETIC BIODEGRADABLE WATER RESISTANT GREASES

These lubricating products are carefully formulated to meet both environmental and functional requirements, striking a balance between anti-corrosion and biodegradability. They exhibit superior sealing capabilities and high resistance to water, coupled with strong adhesion to metal surfaces. Based on a biodegradable ester and an environmentally-friendly additive package, these products eliminate the harmful impact of conventional greases on the environment. The high viscosity base oil and strong lubricating film provide better performance than traditional greases, particularly at high temperatures. They are versatile enough to be used in a wide range of applications, operating in temperatures ranging from -25°C to 120°C. The products create a strong adhesive film on surfaces that are subjected to moderate to heavy loads. The thickener system and special additives ensure excellent resistance to water, moisture, and environmental conditions. These products are designed to meet the lubrication needs of various applications such as forest

machinery, public works machinery, nautical mechanisms, water treatment plants, and water pumping installations. They are specially formulated to provide effective lubrication for bearings in hydro turbines, as well as mechanisms in contact with water. Additionally, they offer excellent protection for car bodies.

PROPERTY	METHOD	VALUE
Colour		Brown
Thickener		Lithium
Base oil nature		Ester
Base oil viscosity @ 40 °C, mm ² /s	ASTM D445	220
Worked penetration 60 W, x 0,1 mm	ASTM D217	355-385
Dropping point, °C	ASTM D566	180
NLGI consistency class	DIN 51 818	0
Copper corrosion 24h @ 100 °C	ASTM D4048	1b
Water washout, 40 °C, %	ASTM D1264	na
4-ball wear test - Welding load, kg	ASTM D2266	250
4-ball wear test - Wear scar diameter 1h/40 kg, mm	ASTM D2596	0.65
EMCOR corrosion test	DIN 51 802	0/0
Biodegradability test, %	CEC-L-33-A-93	>90
Operating temperatures, °C		-25-120

CATEGORY

Greases

BENEFITS

All data on this technical data sheet is indicative only

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DYADE LUBRICANTS B.V.
TYPOGRAAF 16 | 6921 VB DUIVEN
THE NETHERLANDS

0031 (0) 316 745 745
INFO@DYADEGLOBAL.COM
WWW.DYADEGLOBAL.COM

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