AQUASHIELD (all data)

PRODUCT DATA

DESCRIPTION

AquaShield is a multi-purpose lubricant and sealant that is compounded specifically to cling to metal and "O" ring surfaces, provide long term lubrication, and prevent corrosion. **AquaShield** is particularly effective on bearings, water pumps, "O" rings, gaskets, water filters, motors, and valves that must operate in hot or cold water, steam, pool chemicals, or salt water.

FEATURES

- Excellent shear stability over long periods.
- Retains its consistency whether in use or at rest.
- Lubricates, seals, and prevents rust.

DATA (TYPICAL VALUES)

NLGI Grade	**2**
Worked Penetration @ 77ºF	**265—295**
Soap Type	**Lithium**
Dropping Point, ºF	**365**
Color	**Aqua**

Note: Average values subject to minor manufacturing variances which do not affect performance.

HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product.

Additional advice can also be obtained from your local Houghton representative.

NOTE:

Read and understand all precautions on container labels before using this product.

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Results of additional analyses of **Aquashield**, performed by an outside laboratory, are listed below. For comparison purposes, the parameters for *U.S. Steel requirement number 370 for high temperature, extreme pressure grease* are also listed.

	TEST	UEC RESULTS	USS REQ. NO. 370 HIGH TEMP. E.P. GREASE
D-217	Cone Penetration		
	Worked 60 Strokes	260	
	Worked 10,000 Strokes	266	265 - 295 (NLGI grade 2)
	Percent Change	+2.30	Not more than 10
D-1831	Roll Stability		
	1/4 Penetration (before)	69 (283)	
	1/4 Penetration (after)	65 (268)	
	Percent Change	-5.3	Not more than 25
D-2265	Dropping Point, Wide Range*	529ºF	Not less than 350ºF
D-942	Oxidation Stability (Oxygen Bomb Method)		
	PSI Drop (100 hours)	1.5	Not more than 20
S-41	Pressure Oil Separation		
	1/4 Penetration (before)	69 (283)	Not less than 40
	1/4 Penetration (after)	63 (260)	Not less than 40
	Grams Oil Separated	0.99	
D-1263	Leakage Tendency		
	Leakage, Grams	0.09	Not more than 5
D-1264	Water Washout		
	Characteristics @175ºF, Percent	4.5	Not more than 15

PRODUCT DATA

Note: *D-2265 Dropping Point, Wide Range is a very different test procedure than the more common D-566 Dropping Point reported on page one, thus the appropriately differing results.*

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AQUASHIELD (all data)

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	TEST	UEC RESULTS	USS REQ. NO. 370 HIGH TEMP. E.P. GREASE
S-75	Grease Mobility (Flow rate in grams/sec)		
	Temperature ºF		
	32	0.09	
	20	0.03	
	10	0.016	
	0	0.006	(Not less than 0.1 where pumpability is critical
D-2509	Extreme Pressure Properties (Timken Method)		
	OK Load, pounds	45	
	Fail Load, pounds	50	Not less than 40
D-2596	Extreme Pressure, Four Ball		
	Weld Point	250	Not less than 200
	Load Wear Index, KG	40.32	Not less than 30
D-2266	Wear Preventive Characteristics, Four Ball		
	(40 KG, 1200 RPM, 1 hour @167ºF)		
	Scar Diameter, MM	0.52	Not more than 0.60

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