

TECHNICAL DATA SHEET

AMPAC XTREME HD GREASE

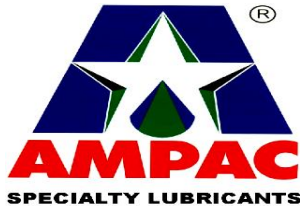
Heavy Duty High Temp Grease

Product Description:

AMPAC XTREME HD GREASE is superior high quality Calcium Sulfonate Complex based grease designed specifically to deliver outstanding shear capability, reduced wear and excellent water resistance. It is also formulated to resist against other corrosive substances. The fluid used in this grease is from selected premium high quality oil designed to allow increased oxidation stability hence enables the grease to be effective at application temperature up to 550°F.

ADVANTAGES:

- Outstanding high temperature properties
- Non toxic,environment friendly formulation contains no antimony, barium, chlorine, Phosphorous zinc or free sulfur
- Excellent protection from extreme pressure (EP) and has excellent anti wear (AW) properties
- Excellent resistance to water washout
- Unsurpassed rust and corrosion protection
- Mechanically stability – grease do not thin out



TYPICAL PROPERTIES

AMPAC XTREME HD GREASE Heavy Duty High Temp Grease			
Prod Code	AMG 2688	AMG 2689	Test Method
Color	Tan	Tan	Visual
Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	
Appearance	Tacky	Tacky	Visual
NLGI Grade	1	2	ASTM D4950
Base Oil Viscosity @ 40 ^o c	460eSt	460eSt	ASTM D445
Base Oil Viscosity @ 100 ^o c	33eSt	33eSt	ASTM D445
Base Oil Viscosity Index	97	97	ASTM D2270
Dropping Point	+266 ^o c (+511 ^o F)	+288 ^o c (+550 ^o F)	ASTM D566
Cone Penetration @ 25 ^o c (77 ^o F) Worked 60 strokes Worked 100,000 strokes	322 dmm 325 dmm 348 dmm	276 dmm 278 dmm 285 dmm	ASTM D217
Roll Stability Penetration	342 (+6.0%)	290(+5.0%)	ASTM D1831
Rust Prevention, water	Pass	Pass	ASTM D1743
Rust Prevention, saltwater	Pass	Pass	ASTM D1743
Oil Separation	1.5%	0.48%	ASTM D1742
Water washout 1hr, 38 ^o C	1.10%	0.05%	ASTM D1264
EP Properties (Four-Ball Method) Weld Point	625 kg-f	800 kg-f	ASTM D2596
Load-Wear Index	62 kg-f	75 kg-f	
OK Load (Timken Method)	65 lb-f	65 lb-f	ASTM D2509
Four - Ball Wear	0.40 mm	0.40 mm	ASTM D2266
Wheel bearing leakage	7g	3g	ASTM D4290
Elastomer CR 70 hour@100 ^o c	0%	0%	ASTM D4289
Hardness Change	5.7%	7.7%	
Volume Change			
Elastomer NBR-L 70 hr @ 100 ^o C			ASTM D4289
Hardness Change	1.6%	2.8%	
Volume Change	-5%	-3%	