

## LSA GREASE - SEVERE DUTY UNIVERSAL MARINE, INDUSTRY & AUTOMOTIVE

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY	EP	WATER RESISTANCE ON A SCALE OF 3
CALCIUM SULPHONATE	1.5	-10° C to +260° C	460 cSt @ 40° C	YES	3

**LSA SEVERE DUTY UNIVERSAL** is an environmentally friendly and responsible superior performance, heavy duty grease exhibiting outstanding film strength and outstanding resistance to corrosive saltwater environments. It does not contain any heavy metals or environmentally damaging additives; thereby, significantly reducing the risk of environmental contamination, making it an optimal choice for marine applications among many other very severe applications in mining, oil fields, loggings, construction, etc.

This product has been carefully engineered and perfected utilising an exclusive high performance over-based calcium sulphonate complex thickener, high viscosity base oils, and a selected combination of polymer additives. This formulation creates excellent mechanical stability and supreme long lasting adhesion to the metal surfaces, preventing wipe off, giving this product exceptional lubricity, high load carrying capability, thermal stability, rust protection and excellent water washout resistance.

### FEATURES

- Water Resistant and super tacky
- Balanced Timken & Weld Load, superior EP performance
- Outstanding mechanical stability
- High Drop Point – for high temperature applications
- Excellent rust and corrosion protection properties
- Contains no Heavy Metals or other harmful additives.

### BENEFITS

- Excellent performance under heavy loads
- Forms strong films on metal surfaces, protecting equipment from rust and water
- Superior protection under shock loading conditions
- Grease doesn't run-out or fling-off whilst in operation.

- Extraordinary performance at high temperatures.
- Protects equipment from rusting under wet and water ingress conditions.

### APPLICATIONS

**LSA SEVERE DUTY UNIVERSAL** is highly recommended for marine, oil fields and logging applications but will perform virtually in all industrial applications like steel, mining, off highway, and automotive, especially where high temperature and water ingress environments prevail concurrently.

### TYPICAL CHARACTERISTICS

TEST	VALUE
COLOUR	AMBER
WORKED PENETRATION	300
DROP POINT	330° C
SOAP TYPE	CA SULPHONATE
4-BALL EP WELD POINT	500KG MIN.
4-BALL WEAR SCAR	0.45MM
TIMKEN OK LOAD	>30 KG
WATER WASHOUT (D1264)	<1.3% LOSS
WATER SPRAY-OFF (D4049)	<10% LOSS

Package Sizes      **180 kg**  
                             **20 kg**  
                             **450 gm**