IPIRANGA SP ULTRATECH SINTÉTICO

Ipiranga SP Ultratech Sintético is a synthetic lubricant oil (PAO) with extreme pressure additives indicated for use in gearboxes and industrial bearings when subjected to high loads or extreme work conditions to avoid wear and corrosion of the lubricated parts.

The **IPIRANGA SP UTRATECH SINTÉTICO** was specially formulated to meet the demands of the gearboxes and bearings when subjected to high loads, ensuring the maintenance of the life span of the equipment as well as its productivity and efficiency, surpassing the mineral lubricants available on the market.

LINHA ULTRATECH

The **IPIRANGA SP ULTRATECH SINTÉTICO** takes part in the Ipiranga Ultratech special lubricants of high performance and with technology acknowledged by the main equipment manufacturers.

CHARACTERISTICS AND BENEFITS

- **EXCEPCIONAL THERMAL AND OXIDATION STABILITY**
  The lubricant is resistant to great temperature shifts, ensuring its extend exchange period and aiding in the gears maintenance and prolonging its life span.
- **HIGH VISCOSITY INDEX AND LOW FRICTION COEFFICIENT**
  The low friction and viscosity variation provide energy economy thus reducing the equipment working effort.
- **GREAT EXTREME PRESSURE PROPERTY**
  Activated when the equipment is subjected to a high load and temperature, this property allows the lubricant to endure the high loads and to protect the gears and bearings avoiding its wear.
- **GREATER FILM RESISTANCE**
  The lubricant film stays stable on the equipment parts, maintaining its lubrication efficiency and avoiding the premature wear.
- **GREATER ENERGETIC EFFICIENCY**
  Due to the lubricant's lower friction coefficient less energy is consumed during the equipment working period.
- **ANTICORROSIVE ACTION**
  Protecting the metallic parts from corrosion even when the equipment operates under humid conditions.

APPROVALS AND MEETINGS

- **RATINGS AND PERFORMANCE**
  DIN 51517-3; AGMA 9005-E02; US Steel 224;

RECOMMENDATIONS

Recommended for use in gear boxes and industrial bearings operating under severe conditions with high loads and great operation temperature shifts.

TYPICAL TEST DATA

TESTING	ISO / UNIT	150	220	320	460	680
Density @ 20/4°C	g/cm³	0.8650	0.8690	0.8740	0.8780	0.8820
Color ASTM	-	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Kinematic Viscosity @ 40°C	cSt	154.2	230.7	325.1	473.1	678.8
Kinematic Viscosity @ 100°C	cSt	20.74	28.65	41.69	51.61	67.67
Viscosity Index	-	157	162	183	172	174
Flash Point	°C	238	238	238	238	238
Pour Point	°C	-30	-33	-30	-27	-27
TAN	mg KOH/g	0.2	0.2	0.2	0.2	0.2
Demulsibility @ 82°C, 30'	mL	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00
Load-Carrying Capacity, Timken	lb	70	70	70	70	70
Failure Load Stage – FZG, A/8.3/90	-	12	12	12	12	12
Four Ball – Weld Point	kgf	250	250	250	250	250
AGMA Classification	-	4EP	5EP	6EP	7EP	8EP

HEALTH AND ENVIRONMENT

The correct use of this product collaborates with health and environmental prevention. See handling recommendations on the material safety data sheet (MSDS) provided by our sales representatives or through our customer service: fale-conosco@ipiranga.ipiranga. Always follow the recommendations available on the vehicle or equipment user guide. Used oil, as well as it recipient, are recyclable and therefore should be sent to an authorized collector for proper disposal. Do not discard residues in open environment or regular trashcan.

Elaboration: 13/03/19 | Last Review: 26/03/20