

PRODUCT DATA SHEET

PTAH 5404 Antiwear Hydraulic Additive

Application

PTAH 5404 is a formulated multifunctional, ashless, sulfur-phosphorus containing additive. It was specially formulated as a multifunctional product, offering a wide application range, meeting international specifications for Hydraulic Oil, Industrial Gear Oil, Slideway Oil and Morgan No Twist Rod Mill Lubricant.

Benefits

- Excellent foam control
- Excellent oxidative stability
- Excellent rust and corrosion protection
- Outstanding EP capabilities
- Superior Demulsibility

Recommended Dosage

Product Performance	Recommended Treat Rate of PTAH 5404		
	1.00% by weight	1.50% by weight	1.90% by weight
Danieli 0.000.001 Type 21	M	-	-
DIN 51524 Part 1 & 2	M	-	-
ISO 11158 HL & HM	M	-	-
Morgan No-Twist Rod Mill Lubricant	M	-	-
Schuler Pressen (ex Müller Weingarten) DT 55055 01.2013	M	-	-
AGMA 9005-F16 AS	-	M	-
DIN 51517 Part 1, 2 & 3	-	M	-
David Brown S1.53.101	-	M	-
Fives Cincinnati EP Gear Oils	-	S	-
ISO 12925-1 CKC/CKD	-	M	-
SEB 181 226	-	M	-
U.S. Steel 224	-	M	-
Fives Cincinnati P-47	-	-	S

PTAH 5404 product performance claims are only applicable when the additive package is used with defined base oil(s), viscosity modifier(s) and other required components to produce the applicable viscosity grade in a properly blended finished fluid.

Volume treatment rates are approximate as the actual treat rate is dependent on the density of all components in a blend.

A - Approved-Formal written approval provided from a governing body such as an OEM, regulatory agency or an industry organization

L - Licensable-Licensable against an active API category

M - Meets-All required testing meets defined specification requirements; however, no formal approval provided, claim is self-certified

S - Suitable for Use (SFU) - Considered suitable for use based on laboratory testing, field testing and engineering judgment (where there is no regulatory prohibition)

Typical Data

Property	Method	Value
Appearance	Visual	Clear Bright Yellow
Density @ 15°C	ASTM D1298	0.992
Kinematic Viscosity @ 100 °C, cSt	ASTM D445	3-7
Flash Point (COC), °C	ASTM D92	80 min
Phosphorus, % wt.	ASTM D4951	0.84
Nitrogen, % wt.	ASTM D5291	1.48
Sulfur, % wt.	ASTM D4951	19.5

Storage, Handling & Toxicity

The recommended maximum blending temperature is 60°C. For specific safety, handling and toxicity information please refer to the current Material Safety Data Sheet (MSDS) available from the company.

Packaging

The net weight of the additive is 200 Kg/Drum and is packed in steel drums.

Version August 2021