

ONYX 7200

Antiwear Hydraulic Oil Additive

DESCRIPTION

ONYX 7200 is an antiwear type hydraulic oil additive package with excellent oxidation, rust and wear inhibiting properties. It can be used to formulate high performance hydraulic fluids with high thermal stability (according to Cincinnati Machine P-68/P-69/P-70 requirements), hydrolytic stability (according to ASTM-D 2619 HF-0 requirements) and filtration properties even when extremely fine filters are used (according to ISO 13357 part 1-wet and part 2-dry). It is Soluble in mineral and synthetic base oils.

Recommended Dosage

At a recommended dosage of 0.8% by weight in suitable base stock and viscosity grade, the finished lubricant meets the following performance levels.

PERFORMANCE LEVELS	VG 32	VG 46	VG 68	VG 100	VG 150
AFNOR NF-E 48-690/1	•	•	•	•	•
AFNOR NF-E 48-603 HM	•	•	•	•	•
Dension HF-0/HF-1/HF-2	•	•	•	•	•
Vickers I-286-S	•	•	•		
Vickers M-2950-S	•	•	•		
DIN 51524 PART 2/3	•	•	•	•	
ISO 11158 TYPE HM	•	•	•	•	•
Cincinnati Machine P-68	•				
Cincinnati Machine P-70		•			
Cincinnati Machine P-69			•		

PHYSICAL / CHEMICAL CHARACTERISTICS

Physical / Chemical Properties*	Specifications	Typical	Test Methods
Viscosity@ 40°C, cSt	-	Report	ASTM D445
Density @ 20°C, Kg/m3	-	Report	ASTM D1298
Flash Point, °C	Min 140	142	ASTM D92
Zinc, % Wt	4.8 – 5.2	5.0	ASTM D4951
Phosphorus % Wt	4.0 – 4.6	4.4	ASTM D4951

*The above characteristics are not specifications and are provided to indicate the typical values measured on the product.

GENERAL HANDLING INSTRUCTIONS:

Neoprene or nitrile rubber gloves and safety goggles should be worn for handling. Material safety data sheet should be consulted for specific information and for information on health and safety.

Temperature Recommendations:

Unloading:	Temperature	
Pumping temperature	50°C	122°F
Maximum temperature	60°C	140°F
Storage:		
Maximum temperature for long term storage	45°C	113°F
Blending:		
Max. Base oil temperature for mechanical or in-line mixing	60°C	140°F