

ALTO SYN VL

GENERAL DESCRIPTION

ALTO SYN VL lubricants are formulated from vacuum distilled, ultra-pure synthetic hydrocarbon base stock to provide an extremely low vapor pressure vacuum pump lubricant. These non-foaming fluids have excellent water separation and provide protection against wear, rust and corrosion. ALTO SYN VL lubricants are an extended life lubricant designed to function in applications subject to severe temperature and environmental conditions.

Physical Properties

ALTO SYN VL	15	22	32	46	68	100
ISO Grade	15	22	32	46	68	100
Viscosity						
@ 40°C, cSt	15.2	21.2	29.9	43.2	63.7	93.0
@ 100°C, cSt	3.54	4.51	5.70	7.31	9.60	12.5
@ 100°F, SUS	83.2	110	154	221	327	482
@ 210°F, SUS	38.2	41.4	45.3	50.7	58.7	69.8
Viscosity Index	113	129	134	133	132	130
Pour Point, °F	-70	-80	-80	-38	-44	-40
(°C)	(-57)	(-62)	(-62)	(-39)	(-42)	(-40)
Flash Point, °F	415	430	490	505	520	510
(°C)	(213)	(221)	(254)	(263)	(271)	(266)
Autoignition Point						
°F	710	720	730	740	745	760
(°C)	(377)	(382)	(387)	(393)	(396)	(404)
Copper Strip Corrosion	1A	1A	1A	1A	1A	1A
Emulsion Tendency	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/39/0 (15 mins.)
Vapor Pressure, mm Hg. (Modified ARS 184-R1)						
100°F	<0.00047	<0.00040	<0.00030	<0.00020	<0.00010	<0.00004
200°F	<0.00101	<0.00080	<0.00062	<0.00056	<0.00050	<0.00018
300°F	<0.00190	<0.00170	<0.00160	<0.00145	<0.00130	<0.00085

NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suit ability. Product typical this publication are current as of November 24, 2010.

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PRODUCT DATA SHEET