



# Comlube Technology Inc.

## PM +<sup>®</sup> LUBRICANTS

100 Scotia Court, Suite #10, Whitby, Ontario L1N 8Y8  
Tel: 905-438-8418 • 1-888-473-9955 • Fax: 905-438-8410  
www.comlubetechnology.com



## MULTIPURPOSE INDUSTRIAL & FOOD EQUIPMENT GREASE

COMLUBE PM + SERIES 2094 EP 1.5 GREASE is a superior, high temperature, water resistant, extreme pressure, sulfonate grease.

### Objective:

Through research in complexing techniques and the latest in grease technology a new generation of base grease has been formulated. The basic product has been further advanced with information submitted by direct maintenance personnel about the problems encountered and the results that they would like to see with new grease. The objective was to have one grease that would reduce costly repairs and downtime and guard against corrosion, oxidization, water washout and leakage. It was also Comlube's intent to have this one grease operate under high and low temperatures and extreme pressure conditions thus reducing wear and effectively improving efficiency and controllability of a preventative maintenance program

### RESULTS:

A SUPERIOR HI--TECH EP GREASE for industrial, mining, food processing, agriculture and auto equipment that meets the objective requirements requested and will surpass the new National Lubrication Grease Institute's Standard D4950 GC--LB

With a work penetration of 1.5 this one grease will replace the present #1 and #2 greases and therefore reduce grease inventories and costly mistakes caused by wrong applications. Comlube's 2094 Grease offers characteristics and qualities unmatched by lithium and aluminum complex greases as substantiated by the ASTM Tests provided. The colour was specially selected for identification purposes so that errors can be eliminated i.e. mixing greases and for visual checks (Food Plants).

To eliminate errors in the selection of lubricants, ASTM Test Data is provided in chart form for easy comparison.

Comlube Technology and future users of this product would like to thank the maintenance personnel and other key people who were involved in the formulation of this superior product.

TEST	PROPERTIES	RESULTS
D217	Consistency Work Penetration mm/10	<b>285-315</b>
	Work Penetration 10,000 Strokes	<b>-1%</b>
	@ 100,000 Strokes	<b>-2%</b>
	50% water @ 10,000 Strokes	<b>+1%</b>
D566 / 2265	Dropping Point ° C min	<b>310°C</b>
D4693	Low Temperature Performance Torque at -40° C Nom max.	<b>9</b>
D1264	Water Resistance at 80° C % max.	<b>&lt;1%</b>
D1742	Oil separation, mass % max.	<b>.1%</b>
D1743	Rust Protection, Rating max.	<b>111</b>
D3527	High Temperature Bearing Life Hours, min	<b>120</b>
D4289	Elastomer CR Compatibility	
	Neoprene Volume Change %	<b>2.8</b>
	Hardness Change %	<b>-3</b>
	Nitrile (NBR-L) Volume Change %	<b>7.7</b>
	Hardness Change %	<b>0</b>
D4290	Leakage Tendencies grams max.(Wheel Bearing)	<b>3.4</b>
D2509	EP Performance OK Load kg/lbs	<b>32/72</b>
D2596	EP Performance	
	Load Wear Index kg min	<b>72</b>
	Weld point kg min	<b>500+</b>
D2266	Wear Protection Scar Diameter mm max.	<b>.36</b>
D4170	Fretting Protection, mass loss mg max.	<b>3.4</b>
D1263	Wheel Bearing Leakage 163° C	<b>&lt; .3</b>
D942	Oxidation Stability PSI	
	100 hrs	<b>0</b>
	500 hrs	<b>2</b>
	1000 hrs	<b>9</b>
D1831	Roll Stability	<b>3.6%</b>
D4425	Centrifugal Separation K36 Value at 50° C	<b>56/24</b>
	Base Oil	
D2161	Visc. SUS @ 100° F	<b>600</b>
	@ 210° F	<b>70</b>
D97	Pour Point °C/°F	<b>-17/+2</b>
D92	Flash Point °C/°F	<b>245/475</b>
	Colour / Texture: Red , Smooth & Stringy	

NOTE: The information and data presented herein are based on tests, reports and research we believe to be accurate and reliable. The information and data are provided without warranty, guarantee or liability on our part, and are therefore, provided to customers for their own investigation, verification and consideration.