

## Production Part Approval Material Test Results

DaimlerChrysler    Ford    General Motors

MATERIAL SPEC. NO. / REV/ DATE <b>MS-BZ832 Grade A2</b>			SPECIFICATION / LIMITS	TEST DATE	QTY. TESTED	SUPPLIER TEST RESULTS (DATA)	OK	NOT OK
<b>ORGANIZATION:</b> Precix			<b>PART NUMBER:</b>					
<b>SUPPLIER/VENDOR CODE:</b> Duns #: 87-743-1916			<b>PART NAME:</b>					
<b>MATERIAL SUPPLIER:</b> Precix			<b>DESIGN RECORD CHANGE LEVEL:</b>					
<b>*CUSTOMER SPECIFIED SUPPLIER/VENDOR CODE:</b> <b>F173</b>			<b>ENGINEERING CHANGE DOCUMENTS:</b>					
<small>*If source approval is req'd, include the Supplier (Source) &amp; Customer assigned code.</small>			<b>NAME OF LABORATORY:</b> Precix, 744 Belleville Ave. New Bedford, MA					
<b>ORIGINAL PROPERTIES</b>								
D2240	Duro, Type A, pts	65 - 75	6/2/15	5	68	√		
D412	Tensile Strength, MPa, min	8.6	6/2/15	3	12.7	√		
D412	Elongation, %, min	180	6/2/15	3	271	√		
D412	100% Modulus, MPa, min	2.5	6/2/15	3	3.4	√		
D624	Tear Strength, Die C, kNm, min	14	6/2/15	3	23	√		
<b>COMPRESSION SET PROPERTIES</b>								
<b>70H @ 150°C</b>								
D395	% of Deflection, max	25	6/11/15	2	15.7	√		
<b>FLUID AGING PROPERTIES</b>								
<b>IRM 903</b>								
<b>@ 150°C</b>								
D471	Duro Change, pts	-7/+7	7/2/15	5	-3	√		
	Tensile, MPa, min	7.7	7/2/15	3	13.4	√		
	Elongation, %, min	160	7/2/15	3	274	√		
	Volume Change, %, max	+10	7/2/15	3	+2.0	√		
<b>MS-6395 ENGINE OIL</b>								
<b>@ 150°C</b>								
D471	Duro Change, 70H, pts, max	-5/+5	6/29/15	5	-3	√		
	Tensile, MPa, min 70H	5	6/29/15	3	13.7	√		
	168H	4.5	7/6/15	3	12.0	√		
	504H	4	7/21/15	3	12.8	√		
	Elongation, %, min 70H	100	7/6/15	3	279	√		
	Elong, ring, -.214, %, min 70H	100	6/29/15	3	234	√		
	168H	80	7/6/15	3	254	√		
	Elong, ring, -.214, %, min 168H	80	7/6/15	3	273	√		
	504H	75	7/21/15	3	258	√		
	Elong, ring, -.214, %, min 504H	75	7/21/15	3	266	√		
	Volume Change, %, max 70H	+5	6/29/15	3	+0.7	√		
<b>MS-9763 GEAR LUBE</b>								
<b>@ 150°C</b>								
D471	Duro Change, 70H, pts, max	-5/+10	6/29/15	5	-3	√		
	Tensile, MPa, min 70H	6	6/29/15	3	12.3	√		
	168H	6	7/6/15	3	11.7	√		
	504H	6	7/21/15	3	11.9	√		
	Elongation, %, min 70H	100	6/29/15	3	278	√		
	Elong, ring, -.214, %, min 70H	100	6/29/15	3	263	√		
	168H	90	7/6/15	3	263	√		
	Elong, ring, -.214, %, min 168H	90	7/6/15	3	253	√		
	504H	75	7/21/15	3	256	√		
	Elong, ring, -.214, %, min 504H	75	7/21/15	3	270	√		
	Volume Change, %, max 70H	+7	6/29/15	3	+1.6	√		

Blanket statements of conformance are unacceptable for any test results.

March  
2006**CFG-1004**

SIGNATURE	TITLE	DATE
James Levasseur	Senior Chemist	7/28/2015

