

RAVENOL®

OIL TEST ANALYSIS TRANSFER FLUID BW 44



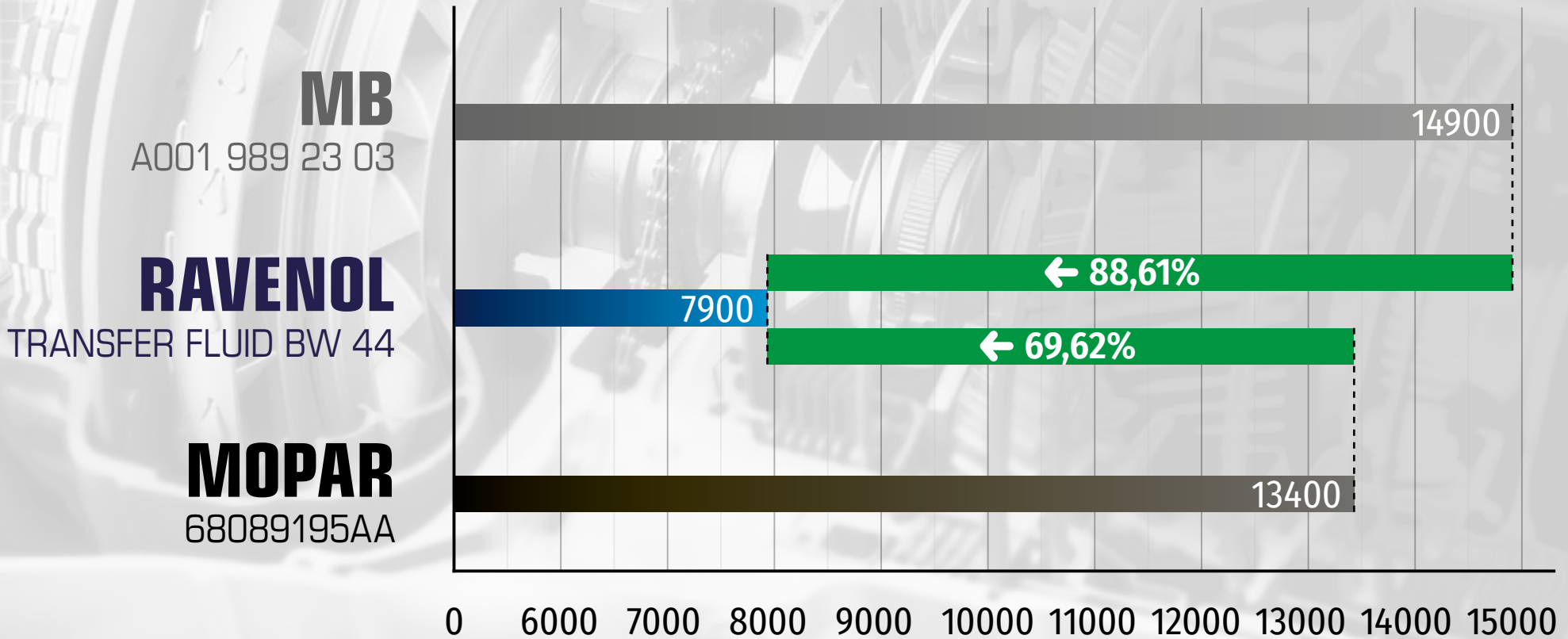
RESULTS OF THE OIL ANALYSIS

Parameters Measurement methods	Unit	MB A001 989 23 03	Mopar 68089195AA	RAVENOL Transfer Fluid BW 44
Appearance/colour	-	light yellow	yellow	yellow
Colour code DIN ISO 2049:2001-06"	-	1	L1,5	L1,5
Density 15°C DIN EN ISO 12185:1997-1	kg/m ³	854,2	875,3	846,0
Viscosity 40°C E-DIN 51659-2:2014-08	mm ² /s	37,81	35,87	37,2
Viscosity 100°C E-DIN 51659-2:2014-08	mm ² /s	7,216	7,409	7,2
Viscosity index DIN ISO 2909:2004-08	-	158	179	162
Brookfield -40°C ASTM D 2983:2009	mPa·s	14900	13400	7900
Flash point DIN EN ISO 2592:2002-09	°C	232	222	240
VKA AW 40kg 1hr DIN EN ISO 20623:2018-04	mm	0,52	0,72	0,34
VKA EP Weld-Load DIN EN ISO 20623:2018-04	kg	<2000	<2000	2200/2400
KRL 20hr KV100°C DIN 51350-6:1996-08	mm ² /s	6,695	4,937	6,919
Shear stability, viscosity loss	%	7.22	33.36	3.9
Foaming test sequence I ASTM D 892:2013	ml/ml	10/0	10/0	0/0
Foaming test sequence II ASTM D 892:2013	ml/ml	40/0	80/0	0/0
Foaming test sequence III ASTM D 892:2013	ml/ml	0/0	0/0	0/0
Copper Corrosion ASTM D130: 2012	-	1a	1a	1a

BROOKFIELD -40°C

ASTM D 2983

The lower the dynamic viscosity, the better.



MPA·S

VKA AW 40KG 1HR

VKA = VIERKUGEL-APPARAT

FBT = FOUR BALL TESTER

WEIGHT 40 KG CYCLE TIME 1 HOUR

The higher the welding force or the lower the wear values of an oil or grease, the better its wear protection when subjected to pressure load.



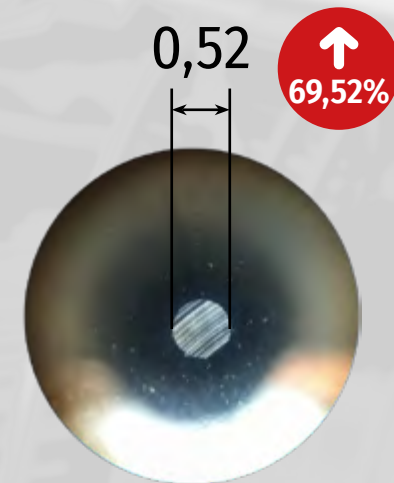
RAVENOL

TRANSFER FLUID BW 44



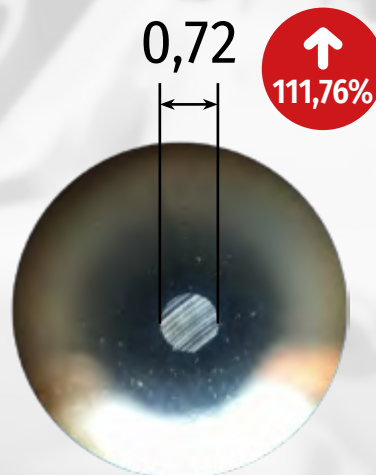
MB

A001 989 23 03



MOPAR

68089195AA



MM



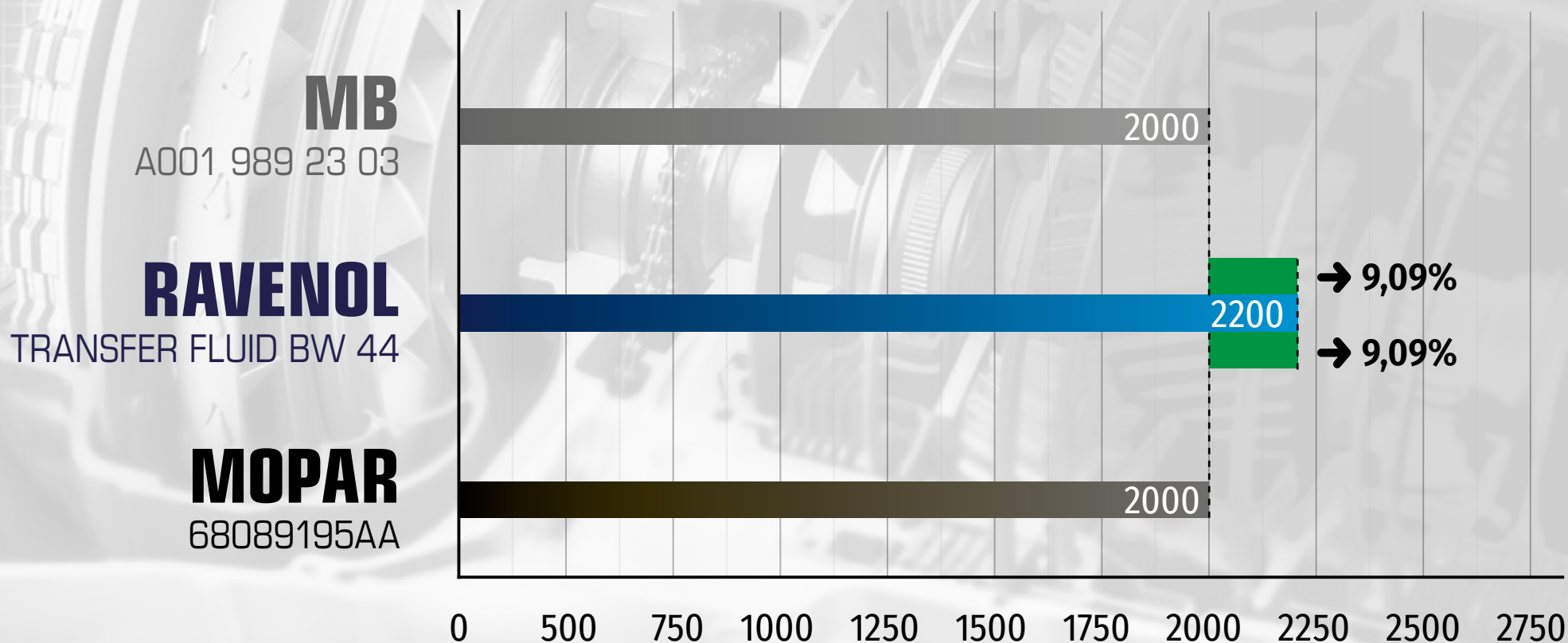
VKA EP WELD-LOAD

DIN EN ISO 20623:2018-04

VKA= VIERKUGEL -APPARAT

FBT-FOUR BALL TESTER

The higher the strain it withstands, the better.



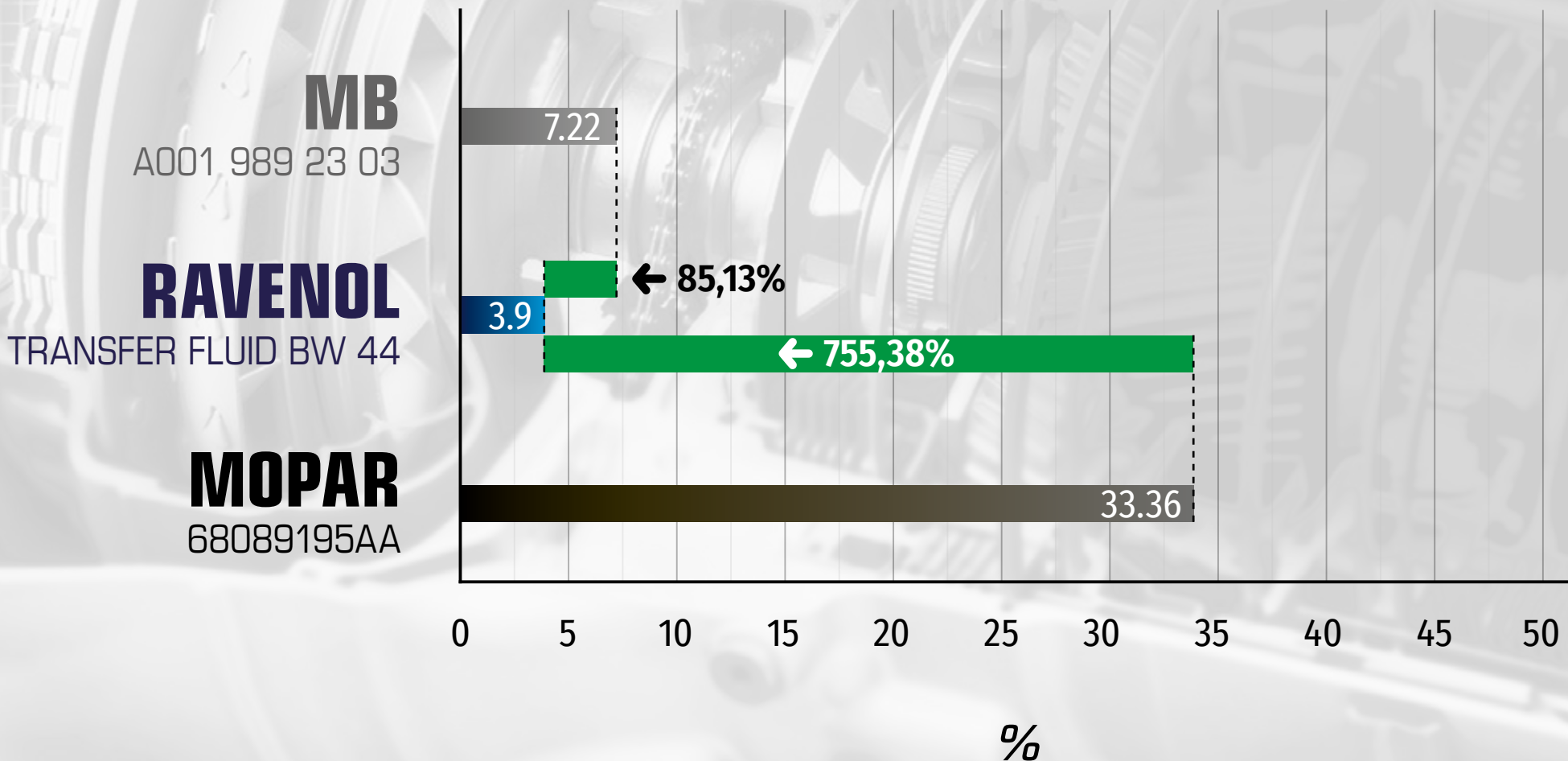
KG

SHEAR STABILITY, KRL, VISCOSITY LOSS

DIN 51350-6

TAPERED ROLLER BEARING TEST 20-HOUR CYCLE

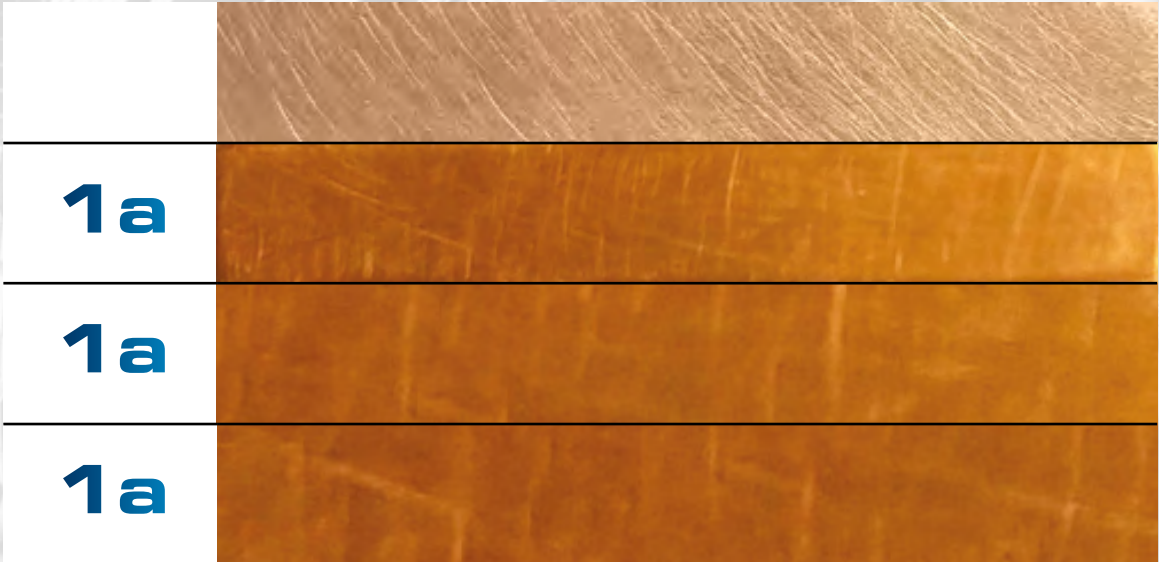
Lower values are better



COPPER STRIP TEST: EFFECT OF CORROSION ON COPPER

ASTM D130: 2012

Test duration 3 hr
 Temperature: 150 °C
 Lighter results are better

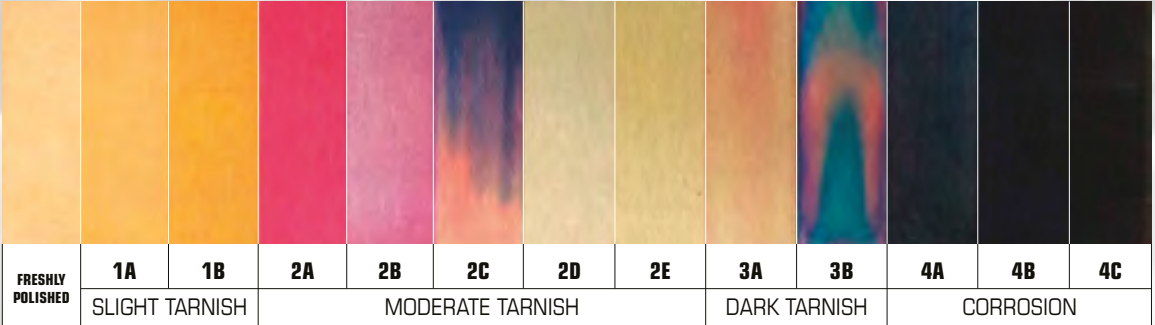


FRESHLY POLISHED

RAVENOL TRANSFER FLUID BW 44

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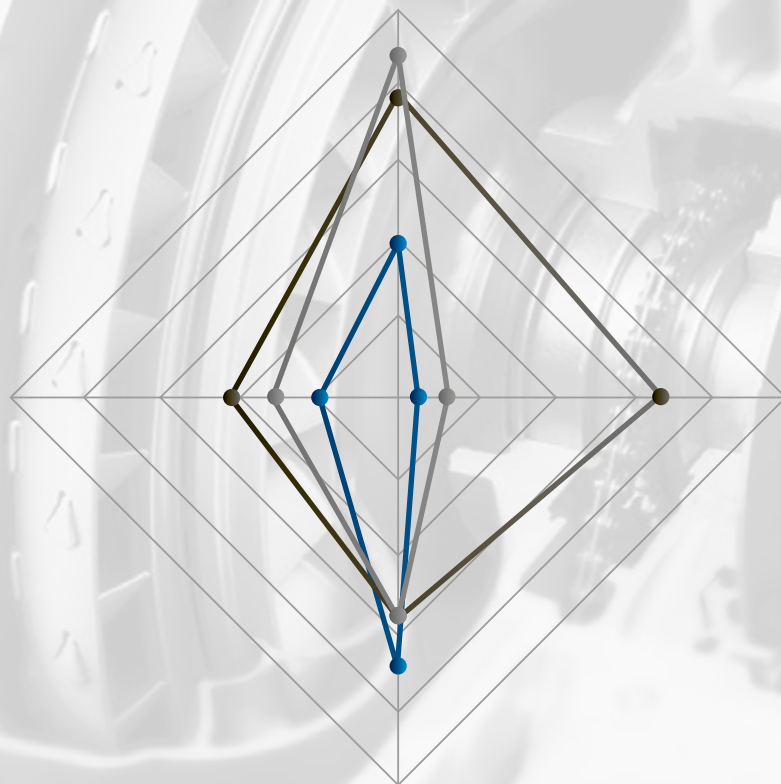
MOPAR 68089195AA



TEST RESULTS

Brookfield -40°C

VKA AW
40KG 1H



VKA EP WELD-LOAD

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Shear stability,
viscosity loss

● RAVENOL
Transfer Fluid BW 44

● MB
A001 989 23 03

● MOPAR
68089195AA