



**ANALYSIS**



**TOPAZMOTOROIL.COM**



**09183741826**



**Iran Saqqez, 7th km of Saqqez road, Tabriz**

# TOPAZ

MOTOR OIL

**20W/50**

**SF**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt <sup>°100</sup> @viscosity	ASTM 340	Min-Max	16.3/21.9	19.2
C cSt <sup>°40</sup> @viscosity	ASTM 340	Min-Max	be reported	145.6
Viscosity Index	ASTM 195		be reported	150
Pour Point °C	ASTM 201	Max	-24	-16
Flash Point °C	ASTM 198	Min	220	240
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	4	5

# TOPAZ

MOTOR OIL

**10W/40**

**SJ**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	889
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	12.5/16.5	14.5
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	be reported	123
Viscosity Index	ASTM 195		be reported	119
Pour Point °C	ASTM 201	Max	-30	-18
Flash Point °C	ASTM 198	Min	220	238
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	4	5

# TOPAZ

MOTOR OIL

**20W/50**

**SL**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	21.9/16.3	19.2
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	be reported	145.6
Viscosity Index	ASTM 195		be reported	150
Pour Point °C	ASTM 201	Max	-24	-18
Flash Point °C	ASTM 198	Min	220	245
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	7

# TOPAZ

MOTOR OIL

**20W/60**

**SL**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt <sup>°100</sup> @viscosity	ASTM 340	Min-Max	21.6/26.1	24.19
C cSt <sup>°40</sup> @viscosity	ASTM 340	Min-Max	be reported	222.73
Viscosity Index	ASTM 195		be reported	136
Pour Point °C	ASTM 201	Max	-24	-17
Flash Point °C	ASTM 198	Min	220	250
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	7

# TOPAZ

MOTOR OIL

**10W/40**

**SL**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	14.8
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	129.2
Viscosity Index	ASTM 195		be reported	115
Pour Point °C	ASTM 201	Max	-30	-20
Flash Point °C	ASTM 198	Min	220	239
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	7

# TOPAZ

MOTOR OIL

**15 W 40**

**SL**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	15.37
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	171.5
Viscosity Index	ASTM 195		be reported	89
Pour Point °C	ASTM 201	Max	-24	-20
Flash Point °C	ASTM 198	Min	220	240
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	7

# TOPAZ

MOTOR OIL

**10W30**

**SL**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	880
CcSt°100@viscosity	ASTM 340	Min-Max	9.5/12.5	11.42
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	115
Viscosity Index	ASTM 195		be reported	83
Pour Point °C	ASTM 201	Max	-30	-20
Flash Point °C	ASTM 198	Min	200	225
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	7



# TOPAZ

MOTOR OIL

**10W40**

**SM**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	14.8
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	129.2
Viscosity Index	ASTM 195		be reported	115
Pour Point °C	ASTM 201	Max	-30	-21
Flash Point °C	ASTM 198	Min	220	238
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	8

# TOPAZ

MOTOR OIL

**20W/50**

**SM**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/21.9	19.2
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	145.6
Viscosity Index	ASTM 195		be reported	150
Pour Point °C	ASTM 201	Max	-24	-19
Flash Point °C	ASTM 198	Min	220	245
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	8

# TOPAZ

MOTOR OIL

**5W40**

**SM**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	880
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	13.8
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	108
Viscosity Index	ASTM 195		be reported	127
Pour Point °C	ASTM 201	Max	-33	-24
Flash Point °C	ASTM 198	Min	220	235
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	8

# TOPAZ

MOTOR OIL

**5W30**

**SM**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	12.5/16.5	10.5
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	be reported	78.7
Viscosity Index	ASTM 195		be reported	114
Pour Point °C	ASTM 201	Max	-33	-24
Flash Point °C	ASTM 198	Min	200	228
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	8

# TOPAZ

MOTOR OIL

**10W40**

**SN**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	14.8
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	129.2
Viscosity Index	ASTM 195		be reported	115
Pour Point °C	ASTM 201	Max	-30	-23
Flash Point °C	ASTM 198	Min	220	240
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	9

# TOPAZ

MOTOR OIL

**OW30**

**SN**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt°100@viscosity	ASTM 340	Min-Max	9.3/12.5	10
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	78
Viscosity Index	ASTM 195		be reported	109
Pour Point °C	ASTM 201	Max	-39	-26
Flash Point °C	ASTM 198	Min	200	228
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	6	9

# TOPAZ

MOTOR OIL

**5W/20**

**SN**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt <sup>°</sup> 100@viscosity	ASTM 340	Min-Max	6.9/9.3	8.5
C cSt <sup>°</sup> 40@viscosity	ASTM 340	Min-Max	be reported	57.5
Viscosity Index	ASTM 195		be reported	120
Pour Point °C	ASTM 201	Max	-33	-24
Flash Point °C	ASTM 198	Min	200	220
color	ASTM 203	.....	be reported	2
TBN	ASTM 2896	Min	6	9

# TOPAZ

MOTOR OIL

**OW20**

**SN**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt <sup>°</sup> 100@viscosity	ASTM 340	Min-Max	9.3/12.5	8
C cSt <sup>°</sup> 40@viscosity	ASTM 340	Min-Max	be reported	50
Viscosity Index	ASTM 195		be reported	130
Pour Point °C	ASTM 201	Max	-39	-26
Flash Point °C	ASTM 198	Min	200	220
color	ASTM 203	.....	be reported	2
TBN	ASTM 2896	Min	6	9



## 15W40

## CH4

### ANALYSIS

### ENGINE OIL

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	9.3/12.5	15
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	113
Viscosity Index	ASTM 195		be reported	138
Pour Point °C	ASTM 201	Max	-24	-19
Flash Point °C	ASTM 198	Min	220	242
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	11

# TOPAZ

MOTOR OIL

**20W50**

**CH4**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	16.3/21.9	20.50
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	be reported	171.5
Viscosity Index	ASTM 195		be reported	140
Pour Point °C	ASTM 201	Max	-18	-18
Flash Point °C	ASTM 198	Min	220	248
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	11

## 15W40

## CI4

### ANALYSIS

### ENGINE OIL

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	15.2
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	115
Viscosity Index	ASTM 195		be reported	138
Pour Point °C	ASTM 201	Max	-24	-19
Flash Point °C	ASTM 198	Min	220	245
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	12

# TOPAZ

MOTOR OIL

**20W/50**

**CI4**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/21.9	20.50
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	171.5
Viscosity Index	ASTM 195		be reported	140
Pour Point °C	ASTM 201	Max	-18	-20
Flash Point °C	ASTM 198	Min	220	250
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	12

# TOPAZ

MOTOR OIL

**15W40**

**CK4**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	12.5/16.5	15.5
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	114.6
Viscosity Index	ASTM 195		be reported	142
Pour Point °C	ASTM 201	Max	-24	-24
Flash Point °C	ASTM 198	Min	220	245
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	15

# TOPAZ

MOTOR OIL

**20W/50**

**CK4**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/21.9	20.50
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	171.5
Viscosity Index	ASTM 195		be reported	140
Pour Point °C	ASTM 201	Max	-24	-24
Flash Point °C	ASTM 198	Min	220	250
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	10	15

**40**

**CD**

**ANALYSIS**

**ENGINE OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt <sup>o</sup> 100@viscosity	ASTM 340	Min-Max	16.3/21.9	15.30
C cSt <sup>o</sup> 40@viscosity	ASTM 340	Min-Max	be reported	171.5
Viscosity Index	ASTM 195		be reported	89
Pour Point °C	ASTM 201	Max	-9	-9
Flash Point °C	ASTM 198	Min	220	250
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	5	6

## 50 / CD

### ANALYSIS

### ENGINE OIL

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/21.9	21
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	194
Viscosity Index	ASTM 195		be reported	128
Pour Point °C	ASTM 201	Max	-9	-9
Flash Point °C	ASTM 198	Min	220	255
color	ASTM 203	.....	be reported	2.5
TBN	ASTM 2896	Min	5	6



## 60 / CD

### ANALYSIS

### ENGINE OIL

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	893
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/21.9	25.08
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	246.89
Viscosity Index	ASTM 195		be reported	117.80
Pour Point °C	ASTM 201	Max	-9	-9
Flash Point °C	ASTM 198	Min	220	260
color	ASTM 203	.....	be reported	2.8
TBN	ASTM 2896	Min	5	6

# TOPAZ

MOTOR OIL

**70 / CD**

## ANALYSIS

## ENGINE OIL

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	895
CcSt°100@viscosity	ASTM 340	Min-Max	16.3/32.1	29.8
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	
Viscosity Index	ASTM 195		be reported	
Pour Point °C	ASTM 201	Max	-9	-8
Flash Point °C	ASTM 198	Min	220	250
color	ASTM 203	.....	be reported	2.8
TBN	ASTM 2896	Min	5	6

# TOPAZ

MOTOR OIL

**GL4**

**140**

**ANALYSIS**

**GEAR OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	892
CcSt°100@viscosity	ASTM 340	Min-Max	24/32.5	31
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	230
Viscosity Index	ASTM 195		be reported	177
Pour Point °C	ASTM 201	Max	-12	-12
Flash Point °C	ASTM 198	Min	210	252
color	ASTM 203	.....	be reported	2.8
TBN				

# TOPAZ

MOTOR OIL

**GL4**

**85W / 140**

**ANALYSIS**

**GEAR OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	24/32.5	30
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	202
Viscosity Index	ASTM 195		be reported	190
Pour Point °C	ASTM 201	Max	-12	-12
Flash Point °C	ASTM 198	Min	200	245
color	ASTM 203	.....	be reported	2.5
TBN				

# TOPAZ

MOTOR OIL

**GL4**

**85W/90**

**ANALYSIS**

**GEAR OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	890
CcSt°100@viscosity	ASTM 340	Min-Max	13.5/18.5	17
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	146
Viscosity Index	ASTM 195		be reported	126
Pour Point °C	ASTM 201	Max	-12	-12
Flash Point °C	ASTM 198	Min	200	240
color	ASTM 203	.....	be reported	2.5
TBN				

# TOPAZ

MOTOR OIL

**GL4**

**75W/80**

**ANALYSIS**

**GEAR OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt°100@viscosity	ASTM 340	Min-Max	4.1/11	10
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	78
Viscosity Index	ASTM 195		be reported	109
Pour Point °C	ASTM 201	Max	-40	-28
Flash Point °C	ASTM 198	Min	155	200
color	ASTM 203	.....	be reported	2
TBN				

# TOPAZ

MOTOR OIL

**GL4**

**75W90**

**ANALYSIS**

**GEAR OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	889
CcSt°100@viscosity	ASTM 340	Min-Max	13.5/18.5	15
C cSt°40@viscosity	ASTM 340	Min-Max	be reported	120
Viscosity Index	ASTM 195		be reported	129
Pour Point °C	ASTM 201	Max	-40	-26
Flash Point °C	ASTM 198	Min	155	200
color	ASTM 203	.....	be reported	2

# TOPAZ

MOTOR OIL

**ATF**

**II**

**ANALYSIS**

**AUTOMATIC  
TRANSMISSION OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	860
CcSt°100@viscosity	ASTM 340	Min-Max	7	7
C cSt°40@viscosity	ASTM 340	Min-Max	40/35	37
Viscosity Index	ASTM 195		be reported	160
Pour Point °C	ASTM 201	Max	-40	-25
Flash Point °C	ASTM 198	Min	155	220
color	ASTM 203	.....	RED	RED



# TOPAZ

MOTOR OIL

**ATF**

**III**

**ANALYSIS**

**AUTOMATIC  
TRANSMISSION OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	860
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	7.5	7.8
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	48	48
Viscosity Index	ASTM 195		be reported	131
Pour Point °C	ASTM 201	Max	-40	-30
Flash Point °C	ASTM 198	Min	210	220
color	ASTM 203	.....	RED	RED

# TOPAZ

MOTOR OIL

**ATF**

**VI**

**ANALYSIS**

**AUTOMATIC  
TRANSMISSION OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	860
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	6.5	7
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	34/28	33
Viscosity Index	ASTM 195		be reported	181
Pour Point °C	ASTM 201	Max	-40	-20
Flash Point °C	ASTM 198	Min	200	210
color	ASTM 203	.....	RED	RED

# TOPAZ

MOTOR OIL

**HL**

**68**

**ANALYSIS**

**HYDRAULIC OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	889
CcSt°100@viscosity	ASTM 340	Min-Max	7.8	10.7
C cSt°40@viscosity	ASTM 340	Min-Max	61.2/74.8	68
Viscosity Index	ASTM 195		be reported	143
Pour Point °C	ASTM 201	Max	-12	-30
Flash Point °C	ASTM 198	Min	195	210
color	ASTM 203	.....	be reported	1.5

# TOPAZ

MOTOR OIL

**HL**

**32**

**ANALYSIS**

**HYDRAULIC OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	880
CcSt°100@viscosity	ASTM 340	Min-Max	6/5	5.5
C cSt°40@viscosity	ASTM 340	Min-Max	25/35	33
Viscosity Index	ASTM 195		be reported	108
Pour Point °C	ASTM 201	Max	-30	-28
Flash Point °C	ASTM 198	Min	195	220
color	ASTM 203	.....	be reported	1.5

# TOPAZ

MOTOR OIL

**HL**

**68 WHITE**

**ANALYSIS**

**HYDRAULIC OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	870
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	7.8	12.50
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	61.2/74.8	70.50
Viscosity Index	ASTM 195		be reported	178
Pour Point °C	ASTM 201	Max	-12	-20
Flash Point °C	ASTM 198	Min	195	205
color	ASTM 203	.....	be reported	1

# TOPAZ

MOTOR OIL

**HL**

**32 WHITE**

**ANALYSIS**

**HYDRAULIC OIL**

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	Clear and free of foreign substances	Clear and free of foreign substances
Density	ASTM 22260	.....	be reported	860
CcSt <sup>°100@viscosity</sup>	ASTM 340	Min-Max	6/5	5
C cSt <sup>°40@viscosity</sup>	ASTM 340	Min-Max	32/35	32
Viscosity Index	ASTM 195		be reported	70
Pour Point °C	ASTM 201	Max	-30	-30
Flash Point °C	ASTM 198	Min	195	210
color	ASTM 203	.....	be reported	1

# TOPAZ

MOTOR OIL

## ANTI FREEZE

## COOLANT

### ANALYSIS

### ANTI FREEZE

B.N Tests	Test Method	Limits	Specification	Test Value
Color	EYE	.....	recognizable	recognizable
Density (c 15)	ASTM D 1122 ASTM D 5931	Min	1.065	1.068
Freezing Point	ASTM D 1177 ASTM D 6660	Max	-42	-40
Boiling Point	ASTM D 1120	Min	105	105
PH	ASTM D 1287	.....	7.5/11	8.45
Effect on the final color of the car	ASTM D 1882	.....	Do not have	Does not have

## ANTI FREEZE

### ANALYSIS

### ANTI FREEZE

B.N Tests	Test Method	Limits	Specification	Test Value
Color	EYE	.....	recognizable	recognizable
Density (c 15)	ASTM D 1122 ASTM D 5931	Min	1.065	1.100
Freezing Point	ASTM D 1177 ASTM D 6660	Max	-36.5	-35
Boiling Point	ASTM D 1120	Min	108	190
PH	ASTM D 1287	.....	7.5-11	90
Effect on the final color of the car	ASTM D 1882	.....	Do not have	Does not have



## OCTANE BOOSTER

### ANALYSIS

### OCTANE BOOSTER

B.N Tests	Test Method	Limits	Specification	Test Value
Appearance	ASTM 22260	.....	.....	Clear and free of foreign substances
Density	ASTM 22260	.....	.....	830
CcSt°100@viscosity	ASTM 455	.....	.....	3
C cSt°40@viscosity	ASTM D 97	.....	.....	-40
Viscosity Index	ASTM D 93	.....	.....	61