

DIFFERENCES AMONG ILSAC GF-5, API SN AND API SN RESOURCE CONSERVING

| Requirements | SAE Grade Specific | ILSAC GF-5 | API SN for ILSAC Grades | API SN for Non-ILSAC Grades | API SN Resource Conserving |
|---------------------------|--------------------|-------------|-------------------------|-----------------------------|----------------------------|
| Foam test option A | | 1-min set. | 1-min set. | 10-min set. | 1-min set. |
| Phosphorus,% min | | 0.06 min | 0.06 min | 0.06 min | 0.06 min |
| Phosphorus,% max. | | 0.08 max | No | No | 0.08 max |
| Phosphorus Retention,% | | 79 min | No | No | 79 min |
| TEOST MHT-4,mg | | 35 max | 35 max | 45 max | 35 max |
| TEOST 33C, mg | ex. 0W-20 | 30 max | No | No | 30 max |
| Elastomer compatibility | | Yes | Yes | Yes | Yes |
| Gelation index | | 12 max | 12 max | No | 12 max |
| Emulsion retention | | Yes | No | No | Yes |
| Sulfur,% max | 0W & 5W | 0.5 max | No | No | 0.5 max |
| Sulfur,% max | 10W | 0.6 max | No | No | 0.6 max |
| ROBO or Sequence IIIGA | | Yes | Yes | No | Yes |
| Sequence VID, FEISum/FEI2 | 0W-X | 2.6/1.2 min | No | --- | 2.6/1.2 min |
| Sequence VID, FEISum/FEI2 | 5W-X | 1.9/0.9 min | No | --- | 1.9/0.9 min |
| Sequence VID, FEISum/FEI2 | 10W-30 | 1.5/0.6 min | No | --- | 1.5/0.6 min |