

BNM Group / BNM Petroleum

Technical Reference Sheet

Material	Base Oil	Document ID	TR-ARAMCO-BASEOIL-DURA150
Grade	SN150 / aramcoDURA 150	Date Generated	2026-09-11
Reference Producer	Saudi Aramco / Luberef	Producer Country	Saudi Arabia

1. Reference Scope

This Technical Reference Sheet provides technical properties for **Base Oil**, grade/designation **SN150 / aramcoDURA 150**, as referenced from the official producer source cited below. It is intended for commercial pre-qualification and technical comparison only.

Reference Producer: Saudi Aramco / Luberef | **Producer Grade:** SN150 / aramcoDURA 150

2. Application

A light-viscosity (SN150-equivalent) Group I paraffinic base oil, typically used as a blending component in finished automotive and industrial lubricants requiring good viscosity index and low volatility.

3. Technical Properties

Property	Value	Unit	Test Method	Condition	Source Page
Appearance	Visual	—	Visual (no ASTM code shown)	—	1
Kinematic Viscosity @ 40°C	28-31	cSt	ASTM D445	—	1
Kinematic Viscosity @ 100°C	Report	cSt	ASTM D445	—	1
Viscosity Index	101	—	ASTM D2270	—	1
Sulfur Content	1.0‡	ppm	ASTM D5453	‡ = tested per ASTM D2622 (footnote)	1
Pour Point	-12*	°C	ASTM D5950	* = tested per ASTM D97 (footnote)	1
Density @ 15.6°C	Report	kg/L	ASTM D4052	—	1
Color, ASTM	1.5	—	ASTM D1500	—	1
Flash Point, COC	210	°C	ASTM D92	—	1
Flash Point, PMCC	200+	°C	ASTM D93	—	1
Furfural Content	5	ppm	M-1414	—	1
Copper Strip Corrosion	1a	—	ASTM D130	100°C, 3 hrs	1
Conradson Carbon Residue	0.1	wt%	ASTM D4530	—	1
Neutralization No.	0.05	mgKOH/g	ASTM D974	—	1
Ash	0.01	wt%	ASTM D482	—	1

5. Commercial / Technical Notes

- KV@40°C (28-31 cSt) and Flash Point ($\geq 200^{\circ}\text{C}$) independently cross-confirmed against the companion official Luberef Safety Data Sheet (aramcoDURA 150, Rev 2.0, issued 05 Aug 2019, CAS 64742-56-9, Saudi Aramco Luberef Co., Jeddah).
- A comparison column labelled 'Group I Typical' also appears on the source table; values above are for the actual aramcoDURA 150 (Yanbu) column.
- An unresolved label 'C & B' appears in the raw extracted text immediately before the values column; could not be confidently attributed to any property. Recommend visual confirmation of the source PDF.
- KV@100°C and Density are shown as 'Report' (a producer qualifier meaning no fixed typical figure is committed for that cell), not an extraction gap.

7. Source Attribution

Official Source URL	https://www.aramco.com/-/media/downloads/creating-value/base-oils/aramcodura/aramcodura_2019_february/dura_150_30jan2019_en.pdf
Source Document Title	not shown on document (product code "150" and typical-properties table only; no printed title text found)
Source Revision	not shown on document
Source Document Date	not shown on document; inferred as 30 Jan 2019 from source filename/URL path only (unconfirmed as printed text)
Source Document Type	Technical Data Sheet (typical properties table, single page)
Source Verified	Yes
Exact Grade Match	Yes

Producer data is cited solely as technical reference information. BNM does not claim manufacturer, agency, distributorship, or endorsement status unless separately stated in a signed commercial agreement.

8. BNM Disclaimer

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