

Dirghayu

Green & Unique Specialty Gear Oils



Engineering The
Lubricant Technology

World Class Gear
Oil Solutions

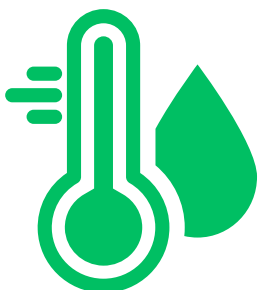
Grades 68, 100, 150, 220, 320 & 460



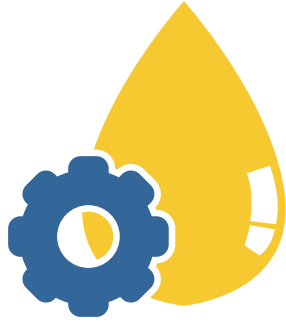
Superior Gear Oil For High-Performance Gears

We take pride in calling Dirghayu Speciality Gear oils unique. The unique features are –

- They are bio-based and hence green or environment friendly.
- They are bio-degradable.
- They have very high lubricity, measured by four ball scar, resulting in energy saving. Thus, while providing all functions as gear oil effectively,
- They become profit centres by saving energy and increasing efficiency.
- The viscosity Index is very high, almost 2 to 3 times petro or synthetic base gear oils. Thus, in normal working temperature the viscosity will remain almost the same and will improve transfer efficiency.
- Reduction in rise in temperature compared with petro / synthetic. This also extends the working life of Gearbox and requires no top up.



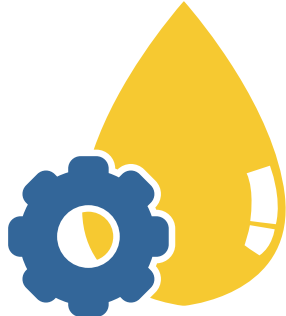
Drop in temperature rise has been tested and certified by Gear Box manufacturing



TYPICAL CHARACTERISTICS OF DIRGHAYU GEAR OILS
Grades - 68 , 100, 150

Sr. No	PROPERTY	TEST METHOD	UNIT	ISb/EE/E P/GO 68	ISb/EE/E P/GO 100	ISb/EE/E P/GO 150
1	ISO Grade	ISO 3448		68	100	150
2	Viscosity @ 40°C	ASTM D 445	cst	62	105.2	141.9
3	Viscosity Index	ASTM D 2270		312	312	312
4	Four Ball Scar	ASTM D 4172	mm	0.38	0.38	0.38
5	Four Ball Weld Load	ASTM D 2783	Kg	250	250	250
6	Demulsibility	ASTM D 1401	min	40-32-8	40-38-8	40-38-8
	(with 2% TAP 5718)			40-38-2	40-38-2	40-38-2
7	Sludge/ Deposit Formation	In-house Method	%	0.77	0.77	0.78





TYPICAL CHARACTERISTICS OF DIRGHAYU GEAR OILS
Grades - 220 , 320 & 460

Sr. No	PROPERTY	TEST METHOD	UNIT	ISb/EE/E P/GO 220	ISb/EE/E P/GO 320	ISb/EE/EP/GO 460
1	ISO Grade	ISO 3448		220	320	460
2	Viscosity @ 40°C	ASTM D 445	cst	215.7	299	440
3	Viscosity Index	ASTM D 2270		312	312	312
4	Four Ball Scar	ASTM D 4172	mm	0.38	0.37	0.37
5	Four Ball Weld Load	ASTM D 2783	Kg	480	480	500
6	Demulsibility	ASTM D 1401	min	40-38-8	40-38-8	40-38-8
	(with 2% TAP 5718)			40-38-2	40-38-2	40-38-2
7	Sludge/ Deposit Formation	In-house Method	%	0.79	0.78	0.79

