

DROID OIL SERIES

Special High Performance Synthetic Lubricant for Reduction Gears and Bearings in Industrial Robots



YOUR BENEFITS

- Droid Oils are a special grade synthetic oils developed for Industrial Robots reduction Gears.
- Contain special anti-oxidant package to avoid carbonization and sludge formation.
- Good lubricity due to low coefficient of friction. Highly shear stable.
- Droid Oils have a very good demulsibility property. Combat moisture condensation.
- Droid Oils are an ideal choice for oil lubricated robotic gearboxes and assemblies offering trouble free long service life ensuring low noise and vibration during operation.
- Guard against rust and corrosion on the wetted part.
- Oils are reinforced with EP and anti-wear additives for extra load and minimizing wear of frictional parts, thereby keeping gearbox temperatures under control.
- Compatible with most seal materials avoiding leakage on prolonged use.
- Droid Oils are RoHS Compliant. Eco-friendly and do not contain heavy metals.

APPLICATION

- For use in oil lubricated bearings, reducers & gearings in Industrial Robots.
- Suitable for most reputed brands of Robots that require oil lubrication in their reduction gear assemblies.

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CHARACTERISTICS	TEST METHOD	UNIT	DROID OIL150	DROID OIL320
Appearance	Visual	-	Clear Transparent	Clear Transparent
Colour	Visual	-	Red	Red
Viscosity @ 40°C	ASTM D 445	cSt	150 ± 15	320 ± 32
Viscosity @ 100°C	ASTM D 445	cSt	22.3	39.7
Viscosity Index	ASTM D 2270	-	177	177
Density @ 29.5°C	ASTM D 1298	g/cc	0.850 ± 0.05	0.850 ± 0.05
Flash Point [min]	ASTM D 92	°C	220	225
Pour Point [min]	ASTM D 97	°C	-45	-36
Four Ball Wear Scar	ASTM D 4172	mm	0.5	0.5
Four Ball Weld Load	ASTM D 2783	Kg	200	200
Total Acid Number	ASTM D 664	mgKOH/gms	0.5	0.5
Copper Strip Corrosion test	ASTM D 130	Rating	1a	1a
Rust Preventive Characteristics	ASTM D 665B	°C	Pass	Pass

INDUSTRY:

Automotive

PACK SIZE:

30 Litres

SHELF LIFE:

24 Months

The values quoted above are typical and do not constitute a specification.

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product. MSDS available on request. Due to continual upgradation of products above data is subject to change without notice.

This supersedes our previously issued data sheets.

Information and data given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of a product for a particular use is beyond our control; all risks of use of the product are assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE.