

# GULF HARVESTER SERIES

*HIGH VISCOSITY INDEX, SHEAR STABLE ANTI WEAR HYDRAULIC OIL*

## DESCRIPTION

Gulf Harvester is a premium grade, high viscosity index, anti wear hydraulic oil. This product is an extremely shear stable hydraulic oil for use in cane harvesting. It is suited primarily for harvesting equipment, such as Austoft, Cameco Down Under and most harvesting equipment. Gulf Harvester comes in grades ISO 46 and ISO 68. Compatibility Gulf Harvester is compatible with most pumps, valves, and seal materials.

However, like all hydraulic oils containing zinc anti wear additives, it is not suitable for use with pumps having silver plated parts. (eg. some Lucas units). Contamination of Gulf Harvester with other oils, especially engine oils, must be avoided as it can form gels which block filters and also impair air release, anti foaming and demulsibility of the fluid.

## SUMMARY OF BENEFITS

- Low variation in viscosity with temperature which leads to:
  - Suitability for very high and low ambients
  - Rationalisation of grades to cover conditions
  - Reduced wear at start up (filters not by passing) yet still protects at operating temperature
- Improved equipment life and decreased downtime due to superior wear and corrosion protection
- Extremely shear stable polymer formulations resisting shearing and oil oxidation
- Excellent air release and anti-foam properties to prevent cavitation and oxidation
- Excellent filterability even when contaminated, thereby preventing filter blockages. This saves filter replacement costs and down time
- Very high shear stability ensures constant oil viscosity for uniform equipment operation
- Long fluid life due to enhanced chemical and thermal stability

## SPECIFICATIONS

Gulf Harvester meets the following international performance specifications:

- ISO Viscosity Grade 46 and 68
- Denison HF-0, HF-1, HF-2
- Denison 51381 Air Release @ 50°C, 240 sec or 4 min
- DIN 51 524 Part 3
- MIL-L-24459 (Ships)
- ISO 6743/4 CAT HV
- Vickers M2952-S

## STORAGE

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

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## HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

## TYPICAL CHARACTERISTICS

GULF HARVESTER	Test Method	Units	46	68
Density @ 15°C	ASTM D1298	kg/L	0.89	0.8686
Kinematic Viscosity				
@ 40°C	ASTM D445	cSt	46	68
@ 100°C	ASTM D445	cSt	9.1	10.7
Viscosity Index	ASTM D2270	-	155	155
Pour Point	ASTM D97	°C	-27	-27
Flash Point (COC)	ASTM D92	°C	206	206
FZG Gear Test (A/8.3/90°C)	IP 334	Stage Failure	11	11
Air Release	Denison 51381	-	-	240 sec/ 4min @50°C
Colour	ASTM D1500	-	1.5	1.5

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

## AVAILABLE PACK SIZES

46: IBC - 30076B, 205lt - 30076, 20lt - 32076

68: IBC - 30072B, 205lt - 30072, 20lt - 32072