



CES Forklift Material Safety Data Sheet for Chemicals used.

SDSs are essential in CES workplace where chemicals are used in forklift servicing operations, they help protect workers by:

- Identifying potential health and physical hazards
- Recommending personal protective equipment (PPE)
- Outlining first-aid and firefighting measures
- Providing spill cleanup and storage instructions

CES Forklift chemicals like engine oil, gearbox oil, grease, and hydraulic oil, access their Material Safety Data Sheets (MSDS/SDS) is through a few reliable sources:

1. SDS databases like:
 - Chemical Safety SDS Search: Offers a wide range of SDSs from major manufacturers. You can search by product name (e.g., "hydraulic oil") or CAS number.
 - MSDS.com: A massive SDS repository where you can search and download sheets for common industrial chemicals.
2. Manufacturer websites

☐ CES Forklift SDS Binder

1. Company Info

- Business Name: CES Forklift (Pty) Ltd
- Location: 20 Kunene circle, Marconi beam, Milnerton, Cape Town, 7441
- Health & Safety Officer: Zaibonesa Adams
- Date Created: 12 June 2022
- Version: 1.4

2. Master Index of Chemicals

Chemical Name	Type	Brand/Product	SDS Available	Last Updated
Engine Oil	Lubricant	Maxilube SAE14W40	✓ Yes	24 June 2025
Gearbox Oil	Transmission Oil	Potenza ATF DX II	✓ Yes	24 June 2025
Hydraulic Oil	Hydraulic Fluid	Potenza Hydraulic 10 - 150	✓ Yes	24 June 2025
Industrial Grease	Lubricant	Lithium EP2	✓ Yes	24 June 2025
Other	Lubricant	Lithium EP2	✓ Yes	24 June 2025

3. SDS Access Folder Structure

CES Forklift upload Material Safety Data Sheets (MSDS/SDS) to their website and can be downloaded on demand www.cesforklift.co.za

4. Worker Access & Training

- All employees must be trained on SDS access and location.
 - Digital binder accessible via the internet – Website.
 - Monthly toolbox talks to review one chemical SDS.
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5. Update & Audit Log

Date	Action	Performed By	Notes
2022-02-20	Binder Created	Z Aams	Initial SDS uploaded
2025-06-24	SDS Updated	G Saayman	Changed supplier details

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MAXILUBE SAE 15W40 (CI-4/SL) ENGINE OIL

PRODUCT DATA SHEET

DESCRIPTION

Maxilube SAE 15W40 ENGINE OIL is an advanced highperformance diesel engine oil, containing high quality base oils. Maxilube SAE 15W40 ENGINE OIL meets the severe lubrication requirements of European, US and Japanese heavy duty, high speed turbo-charged diesel and petrol engines.

PERFORMANCE STANDARDS

Naturally aspirated and turbo-charged four stroke, heavy duty diesel engines in the road transport, construction industries and agricultural plants.

CUSTOMER BENEFITS

- Exceeds all major American, European and Japanese OEM and industrial specifications.
- Excellent performance, with extended oil drain intervals on low emission engines.
- Combination of detergent and dispersant additives maintains power output by providing excellent control over ring and ring groove deposits which affect engine operation.
- Multigrade viscosity allow for maximum lubricity in all areas of the engine.
- High oxidation stability, effective control over high temperature piston deposits, wear, corrosion, foaming and soot accumulation.
- Superior de-eration and anti-foam characteristics for accurate operation of hydraulic actuated fuel injection systems.

TYPICAL CHARACTERISTICS		TYPICAL PROPERTIES
PRODUCT CODE: MAXILUBE SAE 15W40 ENGINE OIL		
SAE GRADE		15w40
Density @ 20°C	Kg/Lt	0.89
Viscosity @ 40°C	cSt	115-120
Viscosity @ 100°C	cSt	14.5
Flash Point °C		210
Pour Point °C		-27
Viscosity Index		150
TBN	mgKOH/gm	11.4
Sulphated Ash	% mass	1.5

PERFORMANCE LEVELS

Maxilube SAE 15W40 ENGINE OIL meets or exceeds the following specifications:

- API CI-4/SL • Global DHD-1 • MB 228.3 / MB 229.1
- ACEA E3-96 Issue 4 E2-96 Issue 5 • Mack EO-M
- ACEA A3 / B3-04, A3 / B4-04 • MAN M 3275
- MTU / DDC Type 2 • Allison C-4 • Volvo VDS-3
- ACEA E7 (E5) / A3/B3/B4 • JASCO DH-1
- Renault Trucks RLD/RLD2
- Cummins CES 20071/72/76/77/78 • Caterpillar ECF-1

PACKAGING

- 5Lt Container
- 20Lt Container
- 210Lt Container
- 1000Lt Containers

NOTE: THIS DATA SHEET IS ISSUED AS A GUIDE TO THE USE OF THE PRODUCT CONCERNED, AND WHILST EVERY EFFORT IS MADE TO ENSURE THE ACCURACY OF THE TEXT WHICH IS IN ACCORDANCE WITH THE LATEST TECHNICAL DEVELOPMENTS, WE CANNOT ACCEPT ANY RESPONSIBILITIES FOR ANY WORK CARRIED OUT WITH OUR MATERIALS, AS WE HAVE NO CONTROL OVER THE METHOD OF APPLICATION USED, OR CONDITION OF SITE INVOLVED

REVISED: JULY 2018



TECHNICAL DATA SHEET

Version: 2 | Revision Date: 12.02.2024

POTENZA ATF DX II

DESCRIPTION

Potenza ATF DX II is a red-coloured automatic transmission fluid developed for use in the automatic transmissions of most motor vehicles, commercial vehicles, and busses where ATF DX II specification automatic transmission fluid has been recommended by the manufacturer.

APPLICATIONS

Potenza ATF DX II is recommended for all transmissions and power steering systems where this specification is required by the OEM.

Note: This product is not recommended for use where an ATF DX II specification grade oil has been recommended.

BENEFITS

- Extended life
- Minimum wear
- Cost effective
- Excellent seal compatibility

SPECIFICATIONS

- Dextron II D
- Allison C-4
- Caterpillar TO-2
- Power Steering

TYPICAL PHYSICAL CHARACTERISTICS

Typical Characteristics	Viscosity at 40 °C	Viscosity at 100 °C	Viscosity Index	Pour Point	Specific Gravity
Potenza ATF DX II	36.6 cSt	7.0 cSt	150	-42	0.878





IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

PRODUCT IDENTIFIER

Product trade name: **Potenza ATF DX II**

USE OF THE SUBSTANCE/PREPARATION

Application: **Automatic Transmission Fluid**

COMPANY/UNDERTAKING IDENTIFICATION

Supplier: **Chemical Solutions and Innovations (Pty) Ltd.
35 Kurland Road, Perseverance, 6220
Phone: +27(0)41 585 5578
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OTHER INFORMATION

FURTHER INFORMATION:

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Prepared by: **Chemical Solutions and Innovations (Pty) Ltd.**

DISCLAIMER

This product's technical information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Chemical Solutions and Innovations (Pty) Ltd. (CSI) assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of CSI.

V 2.0 | END OF TECHNICAL DATA SHEET





TECHNICAL DATA SHEET

Version: 3 | Revision Date: 04.07.2024

POTENZA HYDRAULIC OIL 10-150

DESCRIPTION

Potenza Hydraulic Oil is a range of virgin mineral base oils blended to meet the requirements of the International Standards Organisation (ISO) viscosity grades. They provide outstanding protection and performance in most manufacturing and many mobile equipment operations. The range is classified as a type HMO hydraulic fluid incorporating anti-wear, anti-oxidation, anti-foam and anti-corrosion additives.

Note: this product contains Zinc Dithiophosphate (ZDDP)

APPLICATIONS

Potenza Hydraulic Oils are formulated for use in all forms of hydraulic equipment and machinery where high oxidation stability and excellent anti-wear performance is required. These include, but are not limited to:

- Hydraulic Systems
- Gear Units
- Centrifugal Pumps
- Machine Tools
- Bearing Lubrication Systems
- Injection Moulding Machines

BENEFITS

- Superior wet and dry filterability
- Excellent anti-wear properties
- Balanced formulation for the best performance
- Multi metal compatibility
- Outstanding thermal and oxidation stability
- Outstanding corrosion protection
- Rapid water separation
- Excellent anti-foam properties
- Extended service life
- Reduced downtime
- Higher productivity
- High viscosity index





PERFORMANCE

Potenza Hydraulic Oil grades meet the specification requirements of the major manufactures of hydraulic pumps and motors. These include:

- Denison HF-0, HF-1 and HF-2
- Cincinnati machines P-68, P-70 and P-69
- Eaton Brochure 694 for 35VQ25A
- Eaton Lubricant Specification EFDGN-TB002-E
- DIN 51524 Part 2 (HLP) and Part 3 (HVLP)
- GM LS2
- ISO 11158 Categories HM and HV
- ASTM D 6158 Type HM and HV
- AFNOR NF E 48-603 HM and HV
- Bosch Rexroth RDE-90235
- Parker Denison HF-1, HF-2, HF-0
- SWEDISH STANDARD SS 155434:2015
- U.S. Steel 126
- Chinese Standard GB 11118.1 LHL & L-HM High Pressure and General
- JCMAS HK P041
- SAE MS1004

TYPICAL PHYSICAL CHARACTERISTICS

Typical values	Viscosity at 40 °C (cSt)	Viscosity at 100 °C (cSt)	VI	SG at 20 ° (kg/L)
Hydraulic Oil 10	9.6	2.9	156	0.821
Hydraulic Oil 15	15.2	3.8	148	0.841
Hydraulic Oil 22	22	4.3	101	0.865
Hydraulic Oil 32	32	5.5	108	0.875
Hydraulic Oil 46	46	6.9	105	0.882
Hydraulic Oil 68	68	8.8	102	0.885
Hydraulic Oil 100	100	11.1	96	0.888
Hydraulic Oil 150	150	14.5	95	0.890





IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

PRODUCT IDENTIFIER

Product trade name: **Hydraulic Oil 10 - 150**

USE OF THE SUBSTANCE/PREPARATION

Application: **Hydraulic Oil**

COMPANY/UNDERTAKING IDENTIFICATION

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TECHNICAL DATA SHEET

Version: 2 | Revision Date: 12.02.2024

LITHIUM EP2 GREASE

DESCRIPTION

Lithium EP2 Grease is a high quality, multi-purpose lithium base grease blended using solvent refined base oils and incorporates a multi-functional extreme pressure additive as well as corrosion and oxidation inhibitors. It is suitable for operating temperatures between -30 °C and 120 °C.

APPLICATIONS

Lithium EP2 grease is designed for use in highly loaded plain and roller bearings as well as for shock loading conditions and steel mills. It is suitable for use in the full range of bearing speeds encountered in electrical motors, machine and wood working tools, production equipment, textile and paper making industry, generators, and all types of vehicles. The smooth consistency makes this grease ideal for use in centralized lubrication systems and they can be used on ferrous and non-ferrous metals.

SPECIFICATIONS

Conforms to SABS specification 1014

TYPICAL CHARACTERISTICS

Thickening Agent:	Lithium
NLGI Classification:	2
Work penetration at 20 °C:	180 – 220
Drop Point (°C):	>180
Timken OK load kg:	>27
Oil Viscosity at 40 °C:	200
Recommended temp. range:	-30 °C – 120 °C
Colour:	Brown Beige

IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

PRODUCT IDENTIFIER

Product trade name:

Lithium EP2 Grease

USE OF THE SUBSTANCE/PREPARATION

Application:

Used as a lubricating grease



COMPANY/UNDERTAKING IDENTIFICATION

Supplier:

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TECHNICAL DATA SHEET

Version: 2 | Revision Date: 19.02.2024

POTENZA GEAR OIL GL-4 SAE 80W90

DESCRIPTION

Potenza Gear Oil GL-4 SAE 80W90 is formulated using high quality mineral base oils, incorporating internationally approved additive packages meeting, or exceeding the latest specifications. This product is recommended for use in bevel and spiral gearboxes, differentials, hypoid gears, and axles where a GL-4 specification oil is recommended.

APPLICATIONS

Potenza Gear Oil GL-4 SAE 80W90 gear oil meets the requirements of most automotive manufactures where this grade of oil is recommended. These applications include trucks, motor vehicles and some off-road applications under moderate operating conditions.

SPECIFICATIONS

- API GL-4
- ZF TE-02A
- ZF TE-17A

BENIFITS

- Extended component life
- Resistance to foaming
- Seal compatibility

TYPICAL PHYSICAL CHARACTERISTICS

Typical Characteristics	Values
Viscosity at 40 °C:	145 cSt
Viscosity at 100 °C:	14.8 cSt
Viscosity Index (VI):	101
Specific Gravity at 20 °C (kg/L):	0.904
Flash Point:	225 °C



IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

PRODUCT IDENTIFIER

Product trade name: **Potenza Gear Oil GL-4 SAE 80W90**

USE OF THE SUBSTANCE/PREPARATION

Application: **Automotive Gear Oil**

COMPANY/UNDERTAKING IDENTIFICATION

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