

Datum/Date: 23 JUNE 1995.

TELEFAX

**ATLAS COPCO AIRPOWER NV.
DIVISIE AIRTEC**

Boomsesteenweg, 957
Postbus 101
B-2610 Wilrijk

Tel. n° : 03/870.21.11
Fax n° : 03/870.24.13
870.24.64

BESTEMMELING : FIRMA : LUBRICATION ENG. INTERNATIONAL.
DESTINATION : COMPANY :

TELEFAXNUMBER : 44-1734-311797
FAX NUMBER :

TER ATTENTIE V. : MR. DAVID MACDONALD
ATTENTION :

AZENDER/CODE : R-HELLEMANS MAT. LABO.
FROM/CODE :

AANTAL COPIES
NUMBER OF PAGES

1/1

BETREFT : APPROVAL FOR MULTILEC INDUSTRIAL OIL.
CONCERNING :

DEAR DAVID,

WE CONFIRM HEREWITH MULTILEC INDUSTRIAL OIL
ISO VG 46 is approved FOR USE IN ATLAS COPCO XA &
GA COMPRESSORS FOR 2,000 HOURS.

DEPENDING AMBIENT TEMPERATURE, WE PREFER
ISO VG 46 or 68 in XR and GA COMPRESSORS.

BEST REGARDS

YOURS SINCERELY,


copy for Mr N. DELVAUX
P. ARDOOS
B. VAN HOVE.

Atlas Copco**TELEFAX MESSAGE****TO : IMBEMA BTI****ATT : Mr L. Lageweg****No Pages : 1
(incl. this page)****From: ATLAS COPCO AIRPOWER
Oil Free Air-Mark.& Serv dpt
Postbus 104
B-2610 Wilrijk - Belgium****Sender : D. Teugels / ZMSD
Phone no : 32 3 / 870 2207
Fax no : 32 3 / 870 2903
Fax ref : 93145.IMB
Date : 93.10.08**

INGEKOMEN DIREKTIE	
5-8 OKT 1993	
Gez.:	
Or.:	
Fc.:	

Dear Sir,

Re : LE Monolec oil test

For the purpose of determining the possibility to use the LE 6202 oil in GR high pressure units the following test has been carried out.

Unit : GR 1120
Location : Electrabel Vilvoorde

The oil have been tested on this unit in the past two years.

The result of the test is positive in regards to lubrication.

The final report is in the make and will be mailed after completion. The report will include all comments and oil analysis reports made during the testperiod.

Kind regards,



Danny Teugels

Atlas Copco

Atlas Copco Airpower n.v.

Compressor Centre of the Atlas Copco group

For your information.

Met de beleefde groeten van

Avec les compliments de

With the compliments of

-4 DEC 1978 08 44

Atlas Copco

ATLAS COPCO AIRPOWER

Naamloze Vennootschap

BOOMSESTEENWEG 957, B-2610 WILRIJK-BELGIE

LUBRICATION ENGINEERS

P.O. Box 34756

VADUZ

Liechtenstein

Ref: This letter is sent to all
Datum: Atlas Copco Sales Companies.

Date: 30.11.78

Your reference/Your letter

Our reference
MS/438/pm/gm

Wilrijk
1978.11.29

Dear Mr. Macdonald D.H.

Re.: Lubrication Engineers.

We received several requests from the field about the use of the several grades of Monolec oil for our compressors.

Therefore we forward you the following information.

Monolec Turbine Oil is fulfilling all requirements for our Z compressor range: R & O inhibitors, high viscosity index, reduction of foaming.

In oil injected screw compressors (X and G range) mineral oil with anti-rust and oxidation, anti-foam and anti-wear properties is recommended. Monolec Hydraulic Oil is a selected paraffinic base oil and contains all these additives.

The Monolec Air Compressor Oils are suited for our piston compressors as they contain additives for best heat resistance and reduction of wear. Their low pour point is providing cold start facilities in extreme low temperature conditions.

We hope this information will be sufficient for the time being and we remain always prepared for further info.

Very sincerely yours
ATLAS COPCO AIRPOWER
Naamloze Vennootschap

P. Maetens
Manager

✓
C.C.: Lubrication Engineers - G.B.

Marketing Service dp

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Boonse Steenweg 957
B-2610 Wilrijk
Belgium

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Wilrijk

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32 367 copur b

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maatschappij
Antwerp

Handelsbank n.v.
Antwerp
Bank van Parijs
en de Nederlanden
Antwerp

TELEFAX MESSAGE**Atlas Copco****Date:** 92.10.28**To:** A.C. Phillipines**Att:** *Arnie Janolo***cc:** M.Allen/D.Anderson (S'pore)
D.Macdonald (LE), ZMSD**From:** ATLAS COPCO AIRPOWER
AIF Service & Parts Mktg.Dpt.
Boomsesteenweg 957
B-2610 Wilrijk - Belgium**Sender :** *Hugo Loos (ZMSI)*Direct phone no: +32 3 870 27 12
Direct fax no : +32 3 870 29 03

(This fax 1 page only)

Dear Arnie,

Ref: Use of "LE oil" (Lubrication Engineers) in GA compressors

I have been contacted by David Macdonald (of LE's liaison office in London) regarding the use of LE Monolec in the Phillipines.

LE have reportedly been advised of some possible reticence on your part to use LE oils (*in GA compressors ?*) during the warranty period.

While it is unclear to me, at this point in time, what your possible concerns may relate to, I can anyhow advise you that Airpower AIF division do authorise the use of LE Monolec, as documented in our little 'Oil Bible' ECB 573/8 page 10. *If you have any doubts or queries in this regard, can you plse revert to me with details, at your earliest convenience ?*

This authorisation applies to our GA size 2 units, not GR units (for which the use of synthetic oils is specified).

We are actually testing LE monolec ourselves on GR but this test is not finalised yet, & the use thereof in this application not yet approved.

Trusting this fax finds you in the best of good health, in the lovely land of the Phillipines. How is the service business getting along ?

kind rgds




LUBRICATION ENGINEERS HELLAS S.A.

LEADERS IN LUBRICANTS

Attn. : Mr. David Macdonald
Ref. : MULTILEC INDUSTRIAL OILS

Athens, 21th March 1997

We have recently asked «Atlas Copco Hellas» to confirm that LE 6803 is suitable and approved for the Z series of Atlas Copco compressors.

Attached is a copy of their fax with translation of it :

Subject : Use of LE 6803 in Z series aircompressors.

Mr Doucakis,

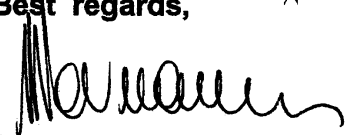
The AIRPOWER manufacturing plant, has confirmed that the above mentioned lubricant is suitable for the lubrication of the Z series air compressors. Oil changes should remain stable (every 8.000 hours)

Yours sincerely

Nikos Merinopoulos
Technical Services manager

We can also, inform you that we have been using 6803 in Atlas Copco compressors, type ZR5E in Aluminium of Greece, for 55.000 hours continuously with no oil change, taking oil samples periodically - i.e. every six months till 40.000 hours and every three thereafter.

Best regards,


Alexander Doucakis

**Atlas Copco****Atlas Copco Hellas A.E.**

Postal Address
78, Klissou Ave.,
GR-182 33 Rentis,
GREECE

Telephone
01/34 26 600-5
Telefax
01/34 54 783

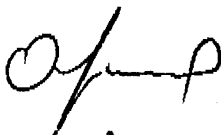
Supply Dept. : Tel. 01/34 25 448, Fax. 01/34 69 232
Service Dept. : Tel. 01/34 51 585, Fax. 01/34 69 232
Branch Office.: Tel. 031/519 824, Fax. 031/513 116

TELEFAX COVERING LETTER**Number of pages including covering letter:****Date:** 1997-03-18**To:** Lubrication Engineers Hellas AE **From:****Attention:** Κου Δουνάκη**Telefax No:** 5252 044**Subject:** Χρήση λιπαντικού LE 6803 για αεροσυμπιεστές σειράς Z

Κύριε Δουνάκη,

Το εργοστάσιο παραγωγής αεροσυμπιεστών (AIRPOWER) επιβεβαιώνει ότι το παραπάνω λιπαντικό είναι κατάλληλο για την λίπανση των αεροσυμπιεστών σειράς Z. Η διάρκεια αλλαγής παραμένει σταθερή (κάθε 8.000 ώρες λειτουργίας).

Με φιλικούς χαιρετισμούς



N.Μερινόπουλος
Δ/ντής Τεχνικής Εξυπηρέτησης

ATLAS COPCO CONDENSED LUBRICANT RECOMMENDATIONS

COMPRESSOR TYPE						
	ZR/A/T	CA/XA/H	GR/XR/H	B/D/E	ALP/T	SC3
ATLAS COPCO	_____	#ROTO-INJECTFLUID 2901 0001 20 / 201	@PAROIL'S 1615 5951 00 / 201	_____	@SPECIALPAO 1503 6142 60 / 51	_____
AGIP	TO-68	_____	_____	DICREA 68	_____	TO-68
BP	ENERGOL THB 68	_____	@ENERGOL RC-S46	ENERGOL RC 68	_____	ENERGOL THB 68
CALTIX	REGAL R & O 68	_____	_____	RPM COMP 68	_____	REGAL R & O 68
CASTROL	PERFECTO T 68	HYPSPIN A WS 46	_____	AIRCOL PD 68	_____	PERFECTO T 68
ENGEN	ENGEN TURBINE 68	%GENAIR 46	@GENAIR SPL 3046	GENAIR 68	_____	ENGEN TURBINE 68
SHELL	TURBO T 68	%COMPTELLA S46	@MADRELLA AS 46	CORENA H 68	_____	TURBO T 68
TOTAL	PRESLIA 68	_____	_____	CORTUSA 68	_____	PRESLIA 68
TREK	TURBINE 68	_____	_____	VDL COMP 68	_____	TURBINE 68
TRIBOL	943 AW 68	_____	@1550 46	943 AW 68	_____	943 AW 68
ZENEX	TURBINE 68	HYDRAULIC H 46	_____	COMP 68	_____	TURBINE 68
@ = SYNTHETIC OIL (PAO) % = SPECIAL SCREW COMPRESSOR OIL (MINERAL) # = EXTRA LONG LIFE SCREW COMPRESSOR OIL (MINERAL)						
LUBRICATION ENGINEERS	MULTILEC 6803	MULTILEC 6802	MULTILEC 6802	MULTILEC 6803	-	MULTILEC 6803

NOTES:

REFER TO UNITS INSTRUCTION BOOK FOR OIL AND OIL FILTER CHANGE INTERVALS.

FOR BLENDS OR TYPES OF OILS NOT LISTED, OR IF ANY FURTHER INFORMATION IS REQUIRED, CONTACT ATLAS COPCO AIRPOWER SERVICE SUPPORT DIVISION (011) 422-2391.

RECOMMENDATIONS CONDENSED FROM ECB 573/8 DATED 09/02/1990.

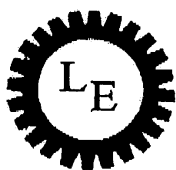
ATLAS COPCO RESERVES THE RIGHTS TO ALTER ANY SPECIFICATIONS WITHOUT NOTICE.

ATLAS COPCO

These LE lubricants from Lubrication Engineers, Inc. meet the following RL Codes.

RL Code	Make	Reference Number			
		I	II	III	IV
1	LE Monolec	6222/6403	8420	8410	9068
2	LE	None	None	None	None
3	LE Monolec	6222/6403	8420	8410	9068
4	LE Monolec	6120*	6110*	6105	9032
5	LE Monolec	9032			
6	LE Monolec	6222/6403	6401	9068	
7	LE Monolec	8410			
8	LE Monolec	6120	6110	6105	
9	LE Monolec	9032			
10	LE Monolec	8420	8800	8410	
11	LE Monolec	6222/6403	8420	8410	9068
12	LE Monolec	8130		9032	
13	LE Monolec	6222/6403	8420/8410	6401	9068
14	LE Monolec	8800	8410/8130		
15	LE Monolec	8420/8430	6222/6403		
16	LE Monolec	6222/6403/ 6401	8420/8410		
16S	LE Monolec	6222/6403			
17	LE	None	None	None	None
18	LE	6222/6403/ 8420			

* LE MONOLEC 6222-6202 USED SUCCESSFULLY IN AUSTRALIA IN GA PACK MODELS.
IF POSSIBLE, PLEASE ALSO INCLUDE 6222 MONOLEC AIR COMPRESSOR OIL UNDER
RL CODE 4.



FEEDBACK



LE 6401 IN ATLAS COPCO GA 11 COMPRESSOR

COMPANY PROFILE.

Barda Furniture Ltd based in Christchurch, New Zealand are manufacturers of top quality furniture. This includes the "BIG SOFTY" range of luxury lounge chairs & sofas.

AREA OF CONCERN

LE Agent Richard Breakspear introduced our ZAP program, for the Atlas Copco Compressor to Director Mr Cotton and commenced an oil analysis programme while the compressor was still under warranty.

LE SOLUTION

LE 6401 Monolec ® R& O Compressor/Turbine Oil was supplied and compressor was filled in October 1997. Monitored by regular oil analysis there have been no concerns with the condition of the compressor.

CUSTOMER BENEFITS.

The compressor has done 21,575 hours on LE 6401 Monolec R & O Compressor/Turbine OIL so far, eleven times the previous performance in oil life. Mr Cotton is amazed at the oil life of LE 6401 "Good Stuff".

Lubrication Engineers products have reduced maintenance and unplanned downtime. The superior paraffinic oil base and exclusive Monolec ® friction modifier enables LE6401 to outperform other commercial oils.

THANKS TO:

Mr Barry Cotton for his confidence in LE products, Brett Jewell Production Manager of BARDA FURNITURE, and Richard Breakspear Lubrication Engineers N Z Ltd's South Island, Agent.

NZ098

20-1-05

Lubrication Engineers N Z Ltd

11F Piermark Drive, North Harbour Industrial Estate, Albany, Auckland, NZ.

P O Box 302 009 North Harbour Post Centre, Auckland. Phone (09) 415 9411 Fax (09) 415 8411