


Oil Analysis Report

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PROBLEM SEVERITY

This block indicates the sample severity status, using the four descriptions listed here.



- critical
- urgent
- caution
- normal

Vehicle : *Registration or fleet number*

Code : *Customer computer code*

Alt ID : *Alternate or optional identification number*

Job No : *WearCheck job number*

Model : *Make of component*

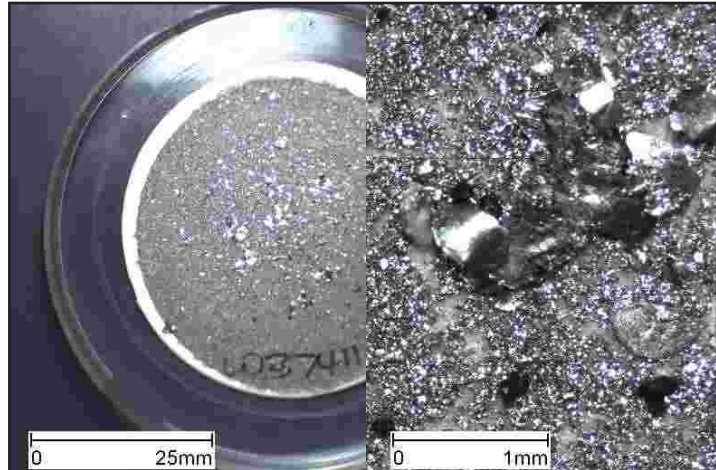
Site : *Location of vehicle*

Comp : *Type of component*

Oil : *Oil brand and grade*

Model : *Model of component*

Queries : *Queries the customer might have*

DIAGNOSIS	DEBRIS PAD IMAGE
<p>Sample Number / Date of sample / Sample meter reading</p> <p><i>Interpretation of the results of your current sample will be displayed here.</i></p> <p><i>Results will indicate the state or condition of the component at the time of sampling.</i></p> <p><i>Oil condition and any abnormal situation caused by either overheating, overfueling or contamination will be reported here, eg. dust or water entry, incomplete combustion (sludging).</i></p> <p><i>Result interpretation is user-friendly and easy to understand.</i></p>	

PREVIOUS HISTORY	
DIAGNOSIS	FEEDBACK
<p>Sample Number / Date of sample / Sample meter reading</p> <p><i>This section of the report supplies you with the diagnostic history of the vehicle, displaying four sample results.</i></p>	<p><i>When WearCheck detects a problem in a sample from a vehicle we supply a job card which informs maintenance staff what checks should be made or action taken.</i></p> <p><i>The information is returned to WearCheck and entered in this section for your records.</i></p>

Issued subject to Standard Conditions (available on request)

VEHICLE MAKE AND COMPARTMENT WILL DISPLAY HERE

SAMPLE NUMBER 1234567	DATE SAMPLED 25/01/07	LAB DATE 25/01/07	OIL CONSUMPTION Normal	SMR 156 000	UNITS km	OIL IN SERVICE 15 000	FILTER CHANGE Yes	OIL DRAIN No
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This section displays sample details and records dates, kilometres or hours as well as the amount of top-up oil used and our recommended re-sampling interval (RRI).

WEAR METALS

Iron	Copper	Chrome	Aluminium
Liners, gears	Bushes, thrustwashers	Plain bearings, rings	Pistons
			Anti-friction, bearings, valves
			Cooling system, silver solder
			Anti-friction, bearings
			Tungsten

Wear metals identify the source of wear, eg. from pistons, rings, bearings, gears, etc. The value of the elements is recorded in parts per million.

Our technical staff interpret the data and note their findings and recommendations in the diagnosis block on the front page.

Current results are compared with previous findings. This method of interpretation is called trend analysis.

Monitoring wear metals allows you to "see" a problem long before the engine wears out!

CONTAMINANTS

Lithium	Sodium	Silicon	Fuel	Soot	Oxidation	Sulphation	Nitration	Particle count
Grease	Coolant	Dirt	Dilution by fuel	Combustion	Overheating	Combustion	Overcooling	Cleanliness

Contaminants are measured in parts per million or percentages and are used to establish the cause of abnormal wear.

Severe contamination will lead to reduced engine life!

ADDITIVES AND LUBRICANT CONDITION

Phosphorous	Magnesium	Calcium	Zinc	TBN	Viscosity	TAN	PQ
Additives	Oil condition	Wear elements					

This section is used to check the oil in use and evaluate the properties of the lubricant.

GRAPHICAL REPRESENTATION OF KEY DATA

Our technical staff note any deviations in trends and display these results graphically. Oil in service and iron are always displayed.

YES, I would like more information about WearCheck products and training courses. Please contact me.

(Fax to WearCheck in Johannesburg on 011 392 6340 or Durban on 031 700 5471)

Name: _____ Company Name: _____
 Telephone: _____ Fax: _____
 Cell: _____ E-mail: _____

