Oil sampling Guidelines

Test Point Method

This method is most commonly used in fixed plant applications. It is easier, cleaner and faster than other methods of oil sampling, and it is generally possible to obtain the sample while the machine is running. This produces a fairly consistent and homogenous sample that is representative of the oil in the compartment.

Test Point Location

A test point is permanently installed in the oil line or in an oil gallery. The ideal location of the test point will change with the machine model, but in all installations, the test point should be installed in a location where it is easy to access away from any moving parts, protected from damage, and before any in-line filtration system (if applicable).

Sampling Procedure (with Test Point)

- Step 1: Remove dust cap from the test point on the machine and with the engine at low idle, purge the test point by discharging a small amount in a waste container. The sample bottle should not be used for purging.
- Step 2: Fill the sample bottle to approximately halfway and replace lid. Shake bottle, and then remove lid and empty oil into a waste container.
- Step 3: Push the hose assembly onto the test point and fill the bottle to the indicated level. Disconnect probe and replace the dust cap on the test point. When taking samples from additional equipment ensure that the hose assembly has been thoroughly flushed with used oil from the equipment before taking a representative sample.

General Sampling Guidelines

- Oil sampling must be done during normal operation of the equipment or within 30 minutes after machine shut down. This ensures that the oil is warm and truly representative of the conditions within the compartment.
- It is important that the sample container is totally clean and free of moisture before the sample is taken.
- The container should be properly sealed to prevent any contamination or loss of oil during transit.
- Do not hold your hands or the hose over the top of the sample bottle as this may contaminate the oil sample.
- Ensure the sample information sheet is completely and correctly filled out.
- Courier or mail the sample to the Laboratory immediately, so as to receive the analysis results as soon as is possible.

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Fax: + 44 (0)1253 890073
Email: info@antech-hyd.co.uk
Web: www.antech-hyd.co.uk

Address:
ANTECH, Cocker Avenue,
Poulton Industrial Estate,
Poulton-le-Fylde, Lancashire,
FY6 8JU United Kingdom

Machine ID: The Machine ID is made up as follows

1. First four letters of your company (Joe Bloggs Plastics Ltd. would be JOEB or JBPL))
2. First four letters of the machine manufacturer (Husky would be HUSK)
3. A unique number that relates to that machine (for example 001). This number must correlate to a serial number that you currently use for the machine to allow easy comparison of results. If no number is currently used within your facility, you will need to assign one for the purposes of oil sampling.

For example, if Joe Bloggs Plastics were sampling their Husky injection moulding machine, which was machine number 5 in their factory, the Machine ID would be JOEB-HUSK-005. Once you have assigned the company and machine codes, these must stay the same for all subsequent oil samples to allow consistent sampling and trend analysis.

Enter the date that the Oil Sample has been sent to the lab.

CUT ALONG THIS LINE. SEND BOTTOM SECTION WITH OIL SAMPLE TO LAB IN PREPAID OUTER. POST, FAX OR EMAIL THE TOP SECTION TO US SO WE CAN TRACE SAMPLE WITH THE LAB IF NECESSARY.

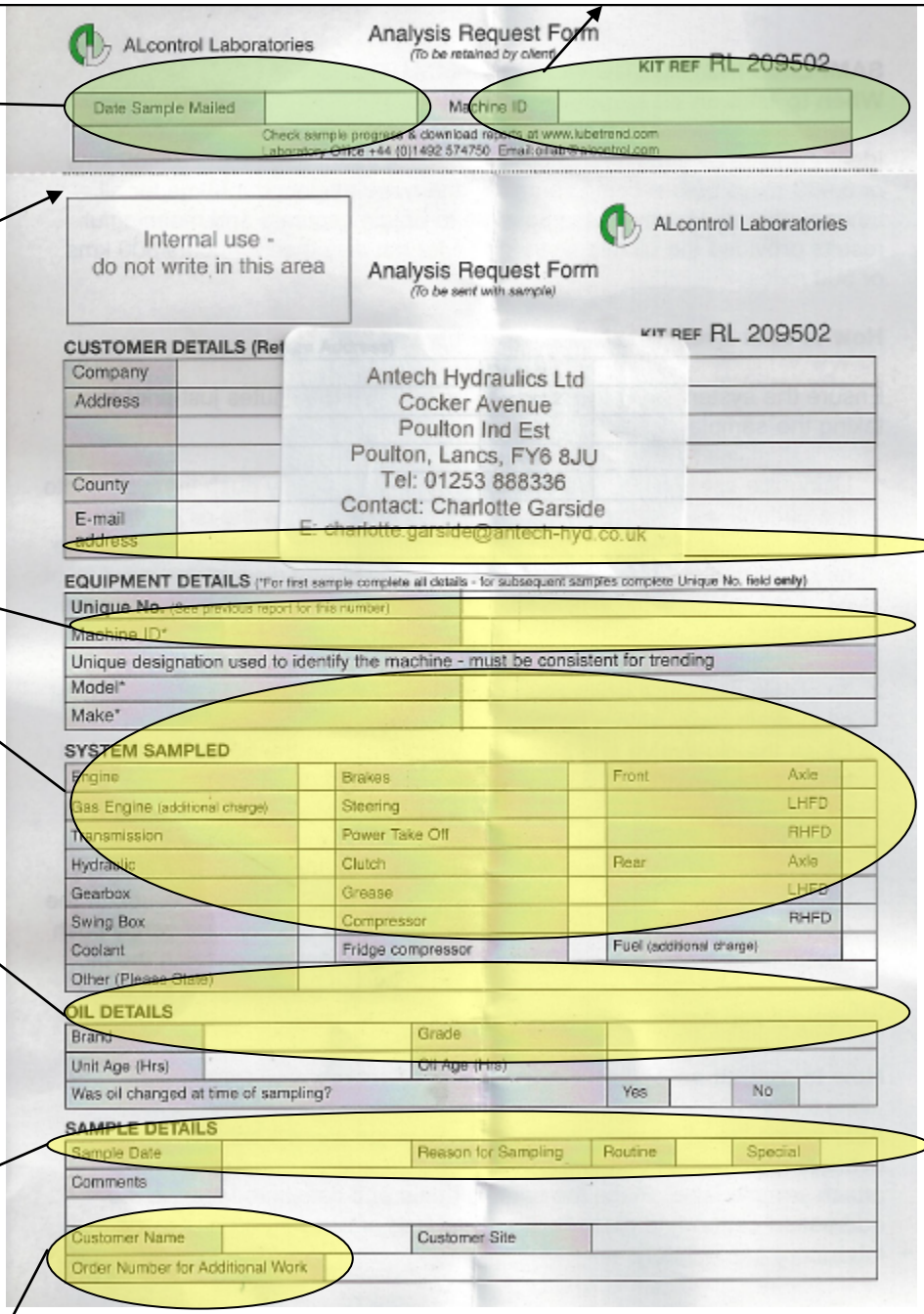
State the model and made of your equipment, if known.

Please identify the type of system, e.g. hydraulic or gearbox.

Oil details - Please give as many details as possible in this section. This allows the lab to check that the oil still has the properties as set out by the oil manufacturer.

Sample Date – Please indicate when the oil was sampled, and also if it is a routine sample or special (special also needs reason stating)

Customer –Enter your company name and the location of your site. This acts as a failsafe should we sample oil for the same company across different sites.



ALcontrol Laboratories

Analysis Request Form

(To be retained by client)

KIT REF RL 209502

Date Sample Mailed | Machine ID

Check sample progress & download reports at www.lubetrend.com

Laboratory Office +44 (0)1492 574750 Email:

Internal use - do not write in this area

ALcontrol Laboratories

Analysis Request Form

(To be sent with sample)

KIT REF RL 209502

CUSTOMER DETAILS (Ref

Company

Address

County

E-mail address

Antech Hydraulics Ltd
Cocker Avenue
Poulton Ind Est
Poulton, Lancs, FY6 8JU
Tel: 01253 888336
Contact: Charlotte Garside
E: charlotte.garside@antech-hyd.co.uk

EQUIPMENT DETAILS (*For first sample complete all details - for subsequent samples complete Unique No. field only)

Unique No. (See previous report for this number)

Machine ID*

Unique designation used to identify the machine - must be consistent for trending

Model*

Make*

SYSTEM SAMPLED

Engine	Brakes	Front Axle	
Gas Engine (additional charge)	Steering	LHFD	
Transmission	Power Take Off	RHFD	
Hydraulic	Clutch	Rear Axle	
Gearbox	Grease	LHFD	
Swing Box	Compressor	RHFD	
Coolant	Fridge compressor	Fuel (additional charge)	
Other (Please State)			

OIL DETAILS

Brand		Grade	
Unit Age (Hrs)		Oil Age (Hrs)	
Was oil changed at time of sampling?		Yes	No

SAMPLE DETAILS

Sample Date		Reason for Sampling	Routine		Special
Comments					
Customer Name		Customer Site			
Order Number for Additional Work					

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ANTECH is a trading name of Antech Hydraulics Ltd.
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