

Viscosity (cSt,100°C)

Total Base Number D2896

Oxidation (Abs)

Fuel %

WC 4006757 Amy.Sol Brett.Elphick 13.6

13.6

1

8.5

SBS 0920X

UNIT NO.

Client Name: SBS Transit Ltd

DATE SAMPLED

Client Address: 205 Braddell Road Singapore 579701

08/09/04

COMPARTMENT NAME

Diesel Engine

Diesel Engine

UNIT MAKE UNIT MODEL UNIT SERIAL NO.	Volvo		ATE RECEIVED ATE REPORTED	09/09/04 14/09/04	COMPARTMENT MACCOMPARTMENT SE	DDEL Mk4 RIAL NO.
SYSTEM CAPACITY		Ltrs			MACHINE LOCATIO	N HG
DATE SAMPLED		08/09/04	20/07/04	01/07/04	23/04/04	04/12/03
SAMPLE NO.		5615449	5615151	5615045	5614621	5531299
COMPONENT	Kms	933575	922925	912904	901844	868825
MACHINE	Kms	933575	922925	912904	901844	868825
OIL	Kms	60000	50000	40000	Not Provided	Not Provided
OIL MAKE OIL TYPE		ESSO ESSO	ESSO ESSO	ESSO ESSO	ESSO ESSO	ESSO ESSO
OIL TIPE		SAE 40	SAE 40	SAE 40	SAE 40	SAE 40
OIL ADDED	Ltrs	Not Provided	Not Provided	Not Provided		Not Provided
FILTER	Kms	Not Provided	Not Provided	Not Provided		Not Provided
OIL CHANGED		Not Changed	Not Changed	Not Provided		Not Provided
Metals (ppm)		· ·	· ·			
Aluminium (Al)		4	4	2	3	2
Copper (Cu)		7	6	6	4	4
Chromium (Cr)		3	2	2	2	1
Iron (Fe)		77	62	60	43	32
Lead (Pb)		15	8	9	5	4
Tin (Sn)		1	< 1	2	1	< 1
Nickel (Ni)		< 1	1	1	2	1
Contaminants and A	dditives (
Silicon (Si)		15	13	14	15	11
Boron (B)		< 5	< 5	< 5	< 5	7
Sodium (Na)		15	5	5	4	8
Potassium (K)		< 1	1	2	< 1	< 1
Phosphorus (P)		1427	1377	1258	1166	1145
Molybdenum (Mo)		2	2	2	1	1
Calcium (Ca)		3108	2915	2757	2558	2522
Magnesium (Mg)		378	336	279	312	274
Zinc (Zn)		1791	1633	1530	1416	1351
Physical Tests						
Water (% by FTIR)		0.4	< 0.1	< 0.1	< 0.1	< 0.1
Soot %		2.1	1.9	2	1.6	1.5

14.1

15.8

1

8.1

14.3

16

1

6.8

 \checkmark

13.3

14.7

1

7.2

 \checkmark

12.8

12.5

2

8.2

UIN 537FF

DIAGNOSIS

Current Sample:

All wear rates normal. Abrasive and other contaminant levels acceptable. Viscosity within specified operating range.

Action: Resample next service interval to further monitor.

Last Sample :

All wear rates normal. Abrasive and other contaminant levels acceptable. Viscosity within specified operating range.

Action: Resample next service interval to further monitor.

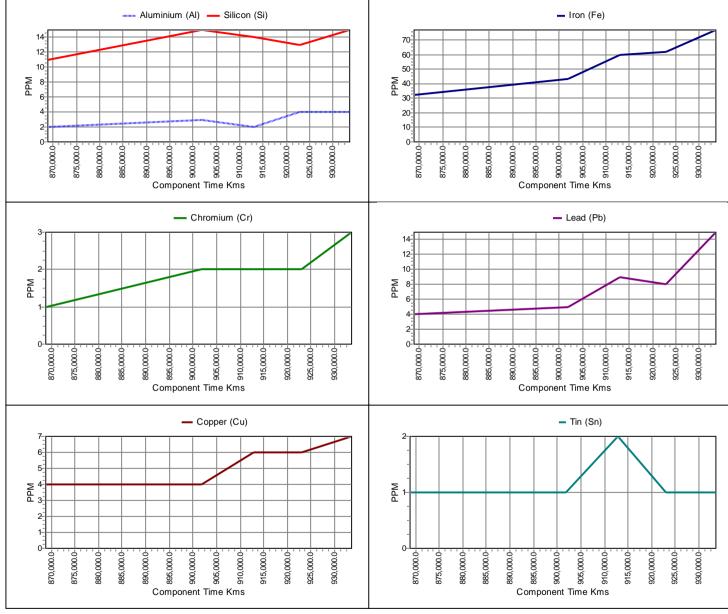








SBS Transit Ltd Attn: 205 Braddell Road Singapore 579701



"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sample techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."