

Programmed Oil Sampling

CLIENT NAME
UNITED CIVIL RESOURCES PTY LTD
CLIENT ADDRESS
Unit 5 37 Little Kylie Street
Rutherford NSW 2320

MAKE Volvo
MODEL A40G
SERIAL No. 324404
UNIT No. S/N 324404 JCR 079
COMPARTMENT TYPE Diesel Engine
COMPARTMENT NAME Diesel Engine
MACHINE LOCATION Rutherford
SYSTEM CAPACITY 50.0 Ltrs

CURRENT Normal
SAMPLE STATUS

UIN : 0A5688A

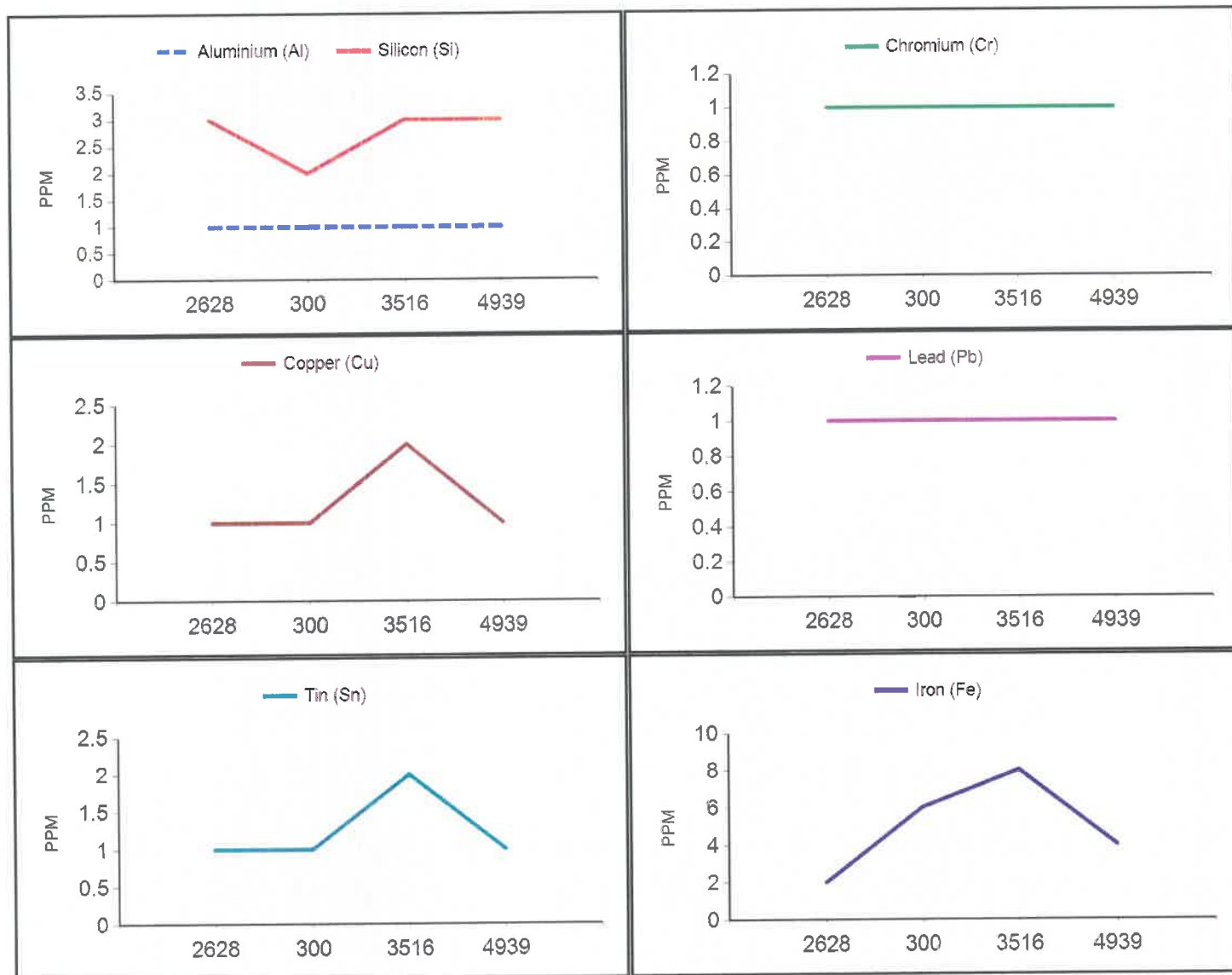
		CURRENT	2	3	4	5
SAMPLE NO.		47962791	46947639	43292372	46492713	
SAMPLED DATE		22-Aug-25	21-Sep-24	14-May-24	16-Nov-23	
DATE RECEIVED		01-Sep-25	26-Sep-24	23-May-24	05-Dec-23	
OIL MAKE		Pro-Glide Extreme	Pro Diesel	VDS 4	VDS 4.5	
OIL GRADE		SAE 15W40	SAE 15W40	SAE 15W40	SAE 15W40	
MACHINE	Hrs	4939	3516	300	2628	
COMPONENT	Hrs	4939	3516	300	2628	
OIL	Hrs	600	500	500		
OIL ADDED	Ltrs		0.0		50.0	
FILTER	Hrs	600	500			
OIL CHANGED		Changed	Changed	Changed	Changed	
WORK ORDER						
Metals (ppm)						
*Aluminium (Al)		1	1	1	1	
*Copper (Cu)		<1	2	1	1	
*Chromium (Cr)		<1	<1	<1	<1	
*Iron (Fe)		4	8	6	2	
*Lead (Pb)		<1	1	<1	<1	
*Tin (Sn)		<1	2	1	1	
Contaminants (ppm)						
*Silicon (Si)		3	3	2	3	
Boron (B)		348	<5	6	401	
*Sodium (Na)		1	<1	<1	<1	
*Potassium (K)		1	2	1	<1	
*Phosphorus (P)		911	1050	935	965	
*Molybdenum (Mo)		65	72	56	77	
*Magnesium (Mg)		299	996	881	328	
*Calcium (Ca)		1285	1074	919	1527	
*Zinc (Zn)		1025	1210	1076	1140	
Physical Tests						
Water (%) (FTIR)		<0.1	<0.1	<0.1	<0.1	
Fuel (%)		1		4	5	
Soot (%) (FTIR)		0.2	0.2	0.1	0.1	
Viscosity (cSt, 100°C)		12.7	11.8	11.3	9.9	
Oxidation (Abs) (FTIR)		15.6	14.5	14.5	13.0	
PQ Index		<10	<10	<10	<10	
Sulphation (Abs) (FTIR)		24.4	20.3	20.2	20.8	
Total Base Number (FTIR)		6.7	8.1	8.7	7.4	

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: As oil and filter(s) already changed, resample next recommended service interval to further monitor.
NATA Accreditation No. 825. Site No. 2024. *NATA accreditation covers the performance of this service.

GRAPHICAL WEAR TREND DATA

UIN:0A5688A



"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sampling 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."



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