WESTRAC WA SOS Lab - 128 Great Eastern Highway (next to Institute)
South Guildford, WA 6055 AUS
PHONE: (08) 9377 9521
Web: www.westrac.com.au Email: soslab.wa@westrac.com.au

Certified System Quality ISO 9001 SAI GLOBAL

DIFFERENTIAL FRONT **EQUIP NUM: CWT22** **SERIAL NUMBER: A40DV13733**

VOLVO A40D_VOLVO

T08P-54164-2513
SAMPLE SHIP TIME (days) : 7
CAPE MINING
CAPE MINING_118
BODDINGTON
RECEIVED DATE: 12-Jun-24

Monitor Compartment

Interp By: Steve De Boer
Interpreted On: 15-Jun-24

Unknown oil hours. To assist evaluation, all oil information is required. The copper concentration is slightly high. Suggest check the magnetic plug, screens and/or filters for debris. The oil viscosity (V40) is higher than the specification for the reported oil. The oil additives indicate oil types may have been mixed or wrong oil reported. Check the type and grade of the new oil. Please advise if any amendment or correction is required. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521.
For enquiries regarding this evaluation, please contact Steve de Boer on (08) 9377 9575.

SAMPLE INFORMATION

Sampled Date	05-Jun-24
Sample Id	T08P-54164-2513
Lab Date	12-Jun-24
Meter [Hr]	14038.0
Comp Meter [Hr]	14038.0
Meter On Fluid	
Fluid Brand	MOBIL
Fluid Weight	80W-90
Fluid Type	MOBILUBE HD
Fluid Change	Y
Filter Change	NA
Total Fluid Added	0

ADDITIVES-WEAR LEVELS

		05-Jun-24
ELEMENTS (PPM) ASTM D5185		
Cu	Copper	21
Fe	Iron	11
Cr	Chromium	<1
Al	Aluminum	<1
Pb	Lead	1
Sn	Tin	<1
Si	Silicon	2
Na	Sodium	<1
K	Potassium	<1
Mo	Molybdenum	<1
Ni	Nickel	<1
Ag	Silver	<1
Ti	Titanium	<1
V	Vanadium	<1
Mn	Manganese	<1
Cd	Cadmium	0
Ca	Calcium	229
P	Phosphorus	762
Zn	Zinc	146
Mg	Magnesium	4
Ba	Barium	<1
B	Boron	107
Sb	Antimony	0
Li	Lithium	<1

PREVIOUS SAMPLE

For additional sample history, go to: S.O.S WEB

CONDITION-CONTAMINATION

		05-Jun-24
OIL CONDITION		
OXI	Oxidation	7
SUL	Sulfur Products	21
NIT	Nitration	4
VISCOSITY (Centistokes)		
V40	Viscosity at 40 C	241.8
CRACKLE TEST		
W	Water	N

OIL CLEANLINESS

		05-Jun-24
PARTICLE COUNT		
ISO4	ISO4	22
ISO6	ISO6	19
ISO14	ISO14	14
4µ	4µ	24451
6µ	6µ	4371
10µ	10µ	481
14µ	14µ	136
21µ	21µ	28
25µ	25µ	13
38µ	38µ	4
70µ	70µ	1
PQI		
PQI	PQ Index	2

DIFFERENTIAL FRONT
SERIAL NUMBER: A40DV13733
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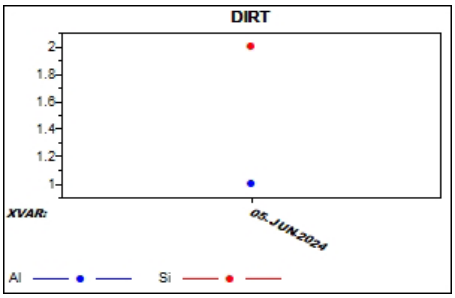
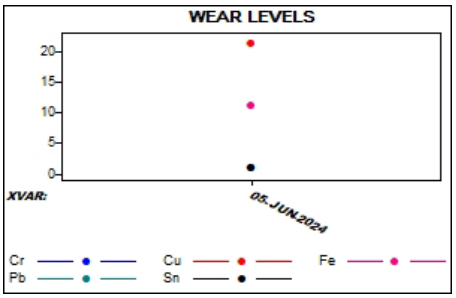
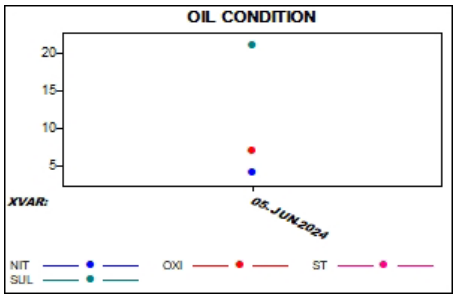
VOLVO A40D_VOLVO

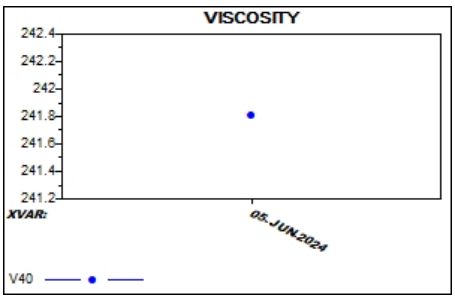
T08P-54164-2513

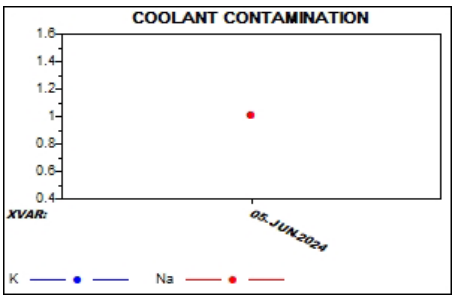
Monitor Compartment











Report Comment

NOTICE: This analysis is intended as an aid in predicting mechanical wear and is based upon the supplied information and the results presented in this report. All reported values are tested according to in-house test methods. The results are on an “as received” sample basis. The information supplied by the client is listed in the Sample Information panel of the above report. No guarantee, expressed or implied, is made against failure of this piece of equipment or component.