

Make:	VOLVO PENTA	Sample No:	30868846
Model:	130SR-B	Location:	ALGECIRAS
Serial No:	51220221933	Client:	ELIAS BLANCO
System:	GearOil	Kit Ref/Bottle No:	V0978313
Brand:	NOT GIVEN	Job No.:	V0978313
Grade:		Sampled:	29/04/25
Unique No.:	6602802	Received:	09/05/25

Diagnosis Key: **Normal** **Caution** **Serious** Diagnostician: Daniel Davies

The level of Copper suggests wear of bearing, bush or bearing cage type material. Advice : Change oil if not changed when sampled.



Results Current Sample Historical Samples

Sample No		30868846
Status		
Sampled		29/04/25
Fluid Age	HOURS	100
Unit Age	HOURS	100
Received		09/05/25

Fluid Condition

[ASTM D7279] - KV40	mm ² /s	LM-3*	74.7
[In-House] - Appearance	-	LM-12	Dark

Additives

[ASTM D5185] - Molybdenum	mg/kg	LM-5*	24
[ASTM D5185] - Boron	mg/kg	LM-5*	206
[ASTM D5185] - Barium	mg/kg	LM-5*	0.8
[ASTM D5185] - Calcium	mg/kg	LM-5*	3031
[ASTM D5185] - Magnesium	mg/kg	LM-5*	158
[ASTM D5185] - Phosphorus	mg/kg	LM-5*	1092
[ASTM D5185] - Sulphur	mg/kg	LM-5*	5059
[ASTM D5185] - Zinc	mg/kg	LM-5*	1324

Contamination

[In-House] - Water	%	LM-1	<0.1
[ASTM D5185] - Sodium	mg/kg	LM-5*	11
[ASTM D5185] - Potassium	mg/kg	LM-5*	0.5
[ASTM D5185] - Silicon	mg/kg	LM-5*	6.2
[ASTM D5185] - Vanadium	mg/kg	LM-5*	0.0
[ASTM D5185] - Lithium	mg/kg	LM-5*	0.0

Wear Metals

[ASTM D8184] - Ferrous Debris-		LM-10	10
[ASTM D5185] - Aluminium	mg/kg	LM-5*	3.0
[ASTM D5185] - Tin	mg/kg	LM-5*	4.4
[ASTM D5185] - Lead	mg/kg	LM-5*	2.8
[ASTM D5185] - Copper	mg/kg	LM-5*	100
[ASTM D5185] - Iron	mg/kg	LM-5*	108
[ASTM D5185] - Chromium	mg/kg	LM-5*	1.6
[ASTM D5185] - Silver	mg/kg	LM-5*	0.0
[ASTM D5185] - Nickel	mg/kg	LM-5*	0.7
[ASTM D5185] - Manganese	mg/kg	LM-5*	2.1
[ASTM D5185] - Titanium	mg/kg	LM-5*	0.2
[ASTM D5185] - Cadmium	mg/kg	LM-5*	0.0