OIL ANALYSIS REPORT

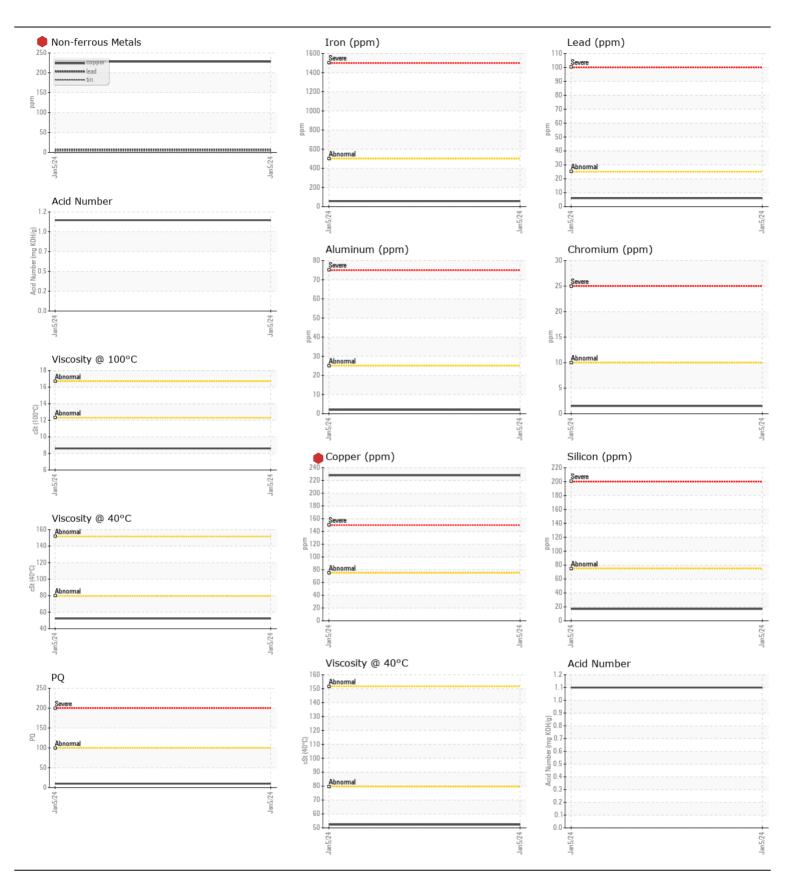
WEAR CONTAMINATION **FLUID CONDITION**

SEVERE NORMAL NORMAL

VOLVO A40G VCE0A40GKE0338

Component Front Left Planetary

{not provided} (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		TR02609050		
	Sample Date		Client Info		05 Jan 2024		
	Machine Age	kms	Client Info		9762		
	Oil Age	kms	Client Info		0		
	Filter Age	kms	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAD							
WEAR Copper ppm levels are severe. Thrust washer and/or bearing/bushing wear is indicated.	PQ		ASTM D8184*		10		
	Iron	ppm	ASTM D5185(m)		56		
	Chromium	ppm		>10	2		
	Nickel	ppm	ASTM D5185(m)	>10	3		
	Titanium	ppm	ASTM D5185(m)		0		
	Silver	ppm	ASTM D5185(m)	0.5	0		
	Aluminum	ppm	ASTM D5185(m)	>25	2		
	Lead	ppm	ASTM D5185(m)		6		
	Copper	ppm	ASTM D5185(m)	>75	228		
	Tin	ppm	ASTM D5185(m)	>10	0		
	Vanadium	ppm	ASTM D5185(m)		0		
	White Metal	scalar	Visual*	NONE	LIGHT		
	Yellow Metal	scalar	Visual*	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>75	17		
There is no indication of any contamination in the oil.	Potassium	ppm		>20	<1		
	Water	pp	WC Method	>0.2	NEG		
	Silt	scalar	Visual*	NONE	NONE		
	Debris	scalar	Visual*	NONE	NONE		
	Sand/Dirt	scalar	Visual*	NONE	NONE		
	Appearance	scalar	Visual*	NORML	NORML		
	Odor	scalar	Visual*	NORML	NORML		
	Emulsified Water	scalar	Visual*	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		2		
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Boron	ppm	ASTM D5185(m)		73		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Manganese	ppm	ASTM D5185(m)		1		
	Magnesium	ppm	ASTM D5185(m)		17		
	Calcium	ppm	ASTM D5185(m)		3670		
	Phosphorus	ppm	ASTM D5185(m)		1124		
	Zinc	ppm	ASTM D5185(m)		1284		
	Sulfur	ppm	ASTM D5185(m)		4023		
	Acid Number (AN)	mg KOH/g	ASTM D974*		1.10		
	Visc @ 40°C	cSt	ASTM D7279(m)		52.3		
	Visc @ 100°C	cSt	ASTM D7279(m)		8.6		
	Viscosity Index (VI)	Scale	ASTM D2270*		140		





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: TR02609050 : 02609050

: 5710136

Recieved : 16 Jan 2024 Diagnosed

: 17 Jan 2024 Diagnostician : Kevin Marson Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

GARDEN PLANE COLONY

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