

RECOMMENDATION

Machine Id - VOLVO A40 353174

Component Front Axle

VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION	Test UOM	Ivietnoa
Resample at the next service interval to monitor.	Sample Number	Client In
F	Sample Date	Client In
	Machine Age hrs	Client In
	Oil Age hrs	Client In
	Filter Age hrs	Client In
	Oil Changed	Client In
	Filter Changed	Client In
	Sample Status	
WEAR	lron ppm	ASTM D518
All component wear rates are normal.	Chromium ppm	ASTM D518
	Nickel ppm	ASTM D518
	Titanium ppm	ASTM D518
	Silver ppm	ASTM D518
	Aluminum ppm	ASTM D518
	Lead ppm	ASTM D518
	Copper ppm	ASTM D518
	Tin ppm	ASTM D518
	Vanadium ppm	ASTM D518
	White Metal scalar	*Visual
	Yellow Metal scalar	*Visual
CONTAMINATION	Silicon ppm	ASTM D518
There is no indication of any contamination in the oil.	Potassium ppm	ASTM D518
	Water	WC Meth
	Silt scalar	*Visual
	Debris scalar	*Visual
		1.00.00
	Sand/Dirt scalar	*Visual
	Sand/Dirt scalar	*Visual
	Sand/DirtscalarAppearancescalar	*Visual *Visual
FLUID CONDITION	Sand/DirtscalarAppearancescalarOdorscalar	*Visual *Visual *Visual
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified Waterscalar	*Visual *Visual *Visual *Visual
FLUID CONDITION The condition of the oil is acceptable for the time in service.	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppm	*Visual *Visual *Visual *Visual ASTM D518
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppmBoronppm	*Visual *Visual *Visual *Visual ASTM D518
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppmBoronppmBariumppm	*Visual *Visual *Visual *Visual ASTM D518 ASTM D518
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppmBoronppmBariumppmMolybdenumppm	*Visual *Visual *Visual ASTM D518 ASTM D518 ASTM D518 ASTM D518
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppmBoronppmBariumppmMolybdenumppmManganeseppm	*Visual *Visual *Visual ASTM D518 ASTM D518 ASTM D518 ASTM D518 ASTM D518
	Sand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarSodiumppmBoronppmBariumppmMolybdenumppmManganeseppm	*Visual *Visual *Visual ASTM D518 ASTM D518 ASTM D518 ASTM D518 ASTM D518

Sulfur

Visc @ 40°C

ASTM D5185m

ASTM D445

ppm

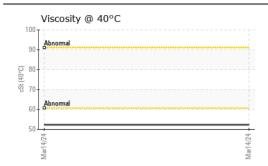
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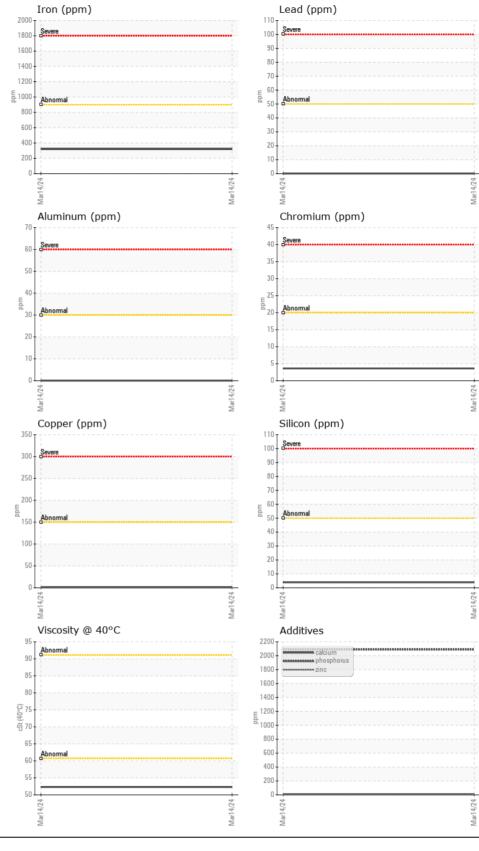
0-GO102	(G/	AL)				
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP444797		
Sample Date		Client Info		14 Mar 2024		
Machine Age	hrs	Client Info		1015		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>900	319		
Chromium	ppm	ASTM D5185m	>20	4		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	0		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>150	1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	4		
Potassium	ppm	ASTM D5185m	>20	2		
Water	ppm	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		
Sodium	ppm	ASTM D5185m		2		
Boron	ppm	ASTM D5185m		250		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		6		
Manganese	ppm	ASTM D5185m		11		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		9		
Phosphorus	ppm	ASTM D5185m		2089		
Zinc	ppm	ASTM D5185m		4		
0				00010		

Contact/Location: MATT MITCHAM - VOLVO3387

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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 218 - ASCENDUM MACHINERY INC - N. CHARLESTON Sample No. 7235 CROSS COUNTRY RD. : VCP444797 Received : 18 Mar 2024 Lab Number : 06121201 NORTH CHARLESTON, SC Tested : 19 Mar 2024 Unique Number : 10930034 : 20 Mar 2024 - Don Baldridge US 29418 Diagnosed Test Package : MOB 1 Contact: MATT MITCHAM Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. matt.mitcham@ascendummachinery.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (843)414-1129

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