WEAR CONTAMINATION FLUID CONDITION

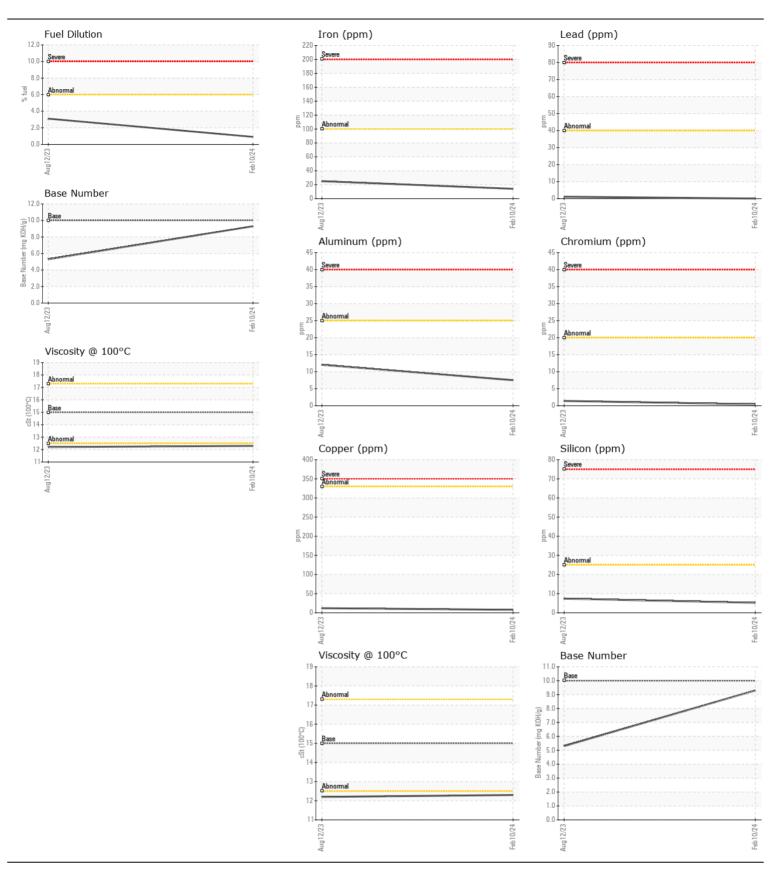
NORMAL NORMAL

Area

[462431 WATERFRONT] Machine Id VOLVO A40G 342619

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP441731		
	Sample Date		Client Info		10 Feb 2024	12 Aug 2023	
	Machine Age	hrs	Client Info		7777	7325	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	ABNORMAL	
A/E A D	I		40TM DE40E	400		05	
VEAR	Iron	ppm	ASTM D5185m		14	25	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	1	
	Nickel	ppm	ASTM D5185m	>2	3	9	
	Titanium	ppm	ASTM D5185m	_	<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		8	12	
	Lead	ppm	ASTM D5185m		0	1	
	Copper	ppm	ASTM D5185m		8	12	
	Tin	ppm	ASTM D5185m	>15	0	1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	7	
	Potassium	ppm	ASTM D5185m	>20	2	1	
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524		0.9	△ 3.1	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.2	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	11.2	
	Sulfation	Abs/.1mm	*ASTM D7415		22.0	24.5	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
<u> </u>			v 100aa1				
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	5	
	Boron	ppm	ASTM D5185m	2.5	44	8	
The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m	0.0	0	0	
	Molybdenum	ppm	ASTM D5185m	0.7	57	41	
	Manganese	ppm	ASTM D5185m		0	1	
	Magnesium	ppm	ASTM D5185m	256	503	510	
	Calcium	ppm	ASTM D5185m	2057	1606	1633	
	Phosphorus	ppm	ASTM D5185m		869	817	
	Zinc	ppm	ASTM D5185m		1096	1108	
	Sulfur	ppm	ASTM D5185m		2834	3277	
	Oxidation	Abs/.1mm	*ASTM D7414		19.7	23.8	
	Base Number (BN)		ASTM D2896		9.3	5.3	
	Dasc Hamber (DIV)	my Rong	, 10 TW D2000	15.0	0.0	△ 12.2	





Laboratory Sample No.

Lab Number : 06087024 Unique Number : 10874469

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VCP441731 Received : 13 Feb 2024 **Tested**

: 15 Feb 2024 Diagnosed

: 15 Feb 2024 - Doug Bogart Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

8418 PALM RIVER ROAD TAMPA, FL US 33619

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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) F: (813)630-2233