MOB	VOLVO
	OIL ANALYSIS REPORT

NORMAL WEAR CONTAMINATION NORMAL FLUID CONDITION **ATTENTION**



VOLVO EC380E 310236

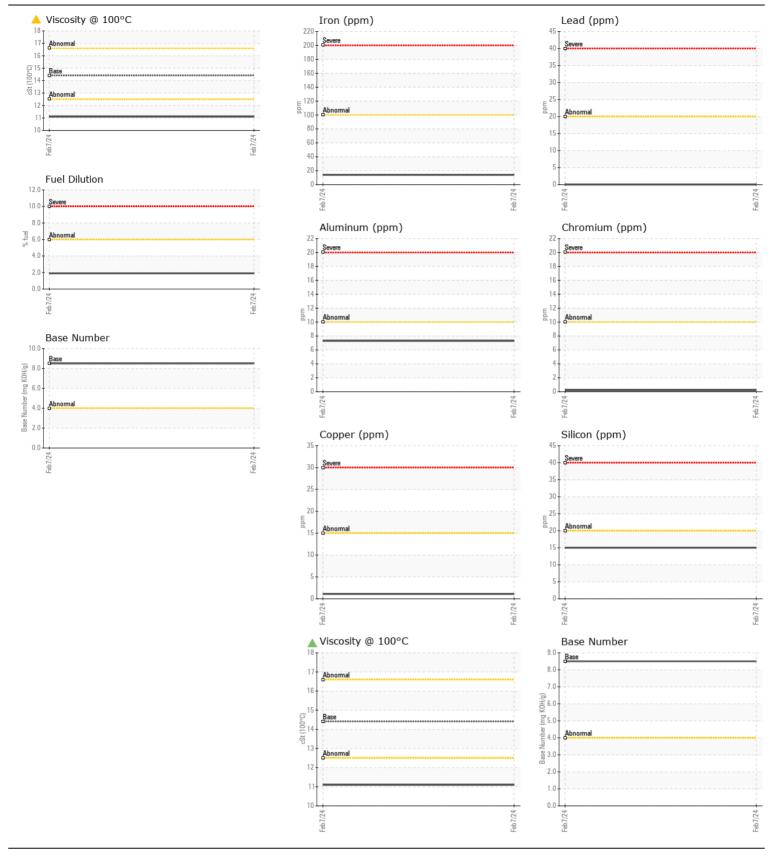
Component Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the	Sample Number		Client Info		VCP410566		
next service interval to monitor.	Sample Date		Client Info		07 Feb 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		15030		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
WEAR	Iron	nnm	ASTM D5185m	> 100	14		
WEAN	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm ppm	ASTM D5185m	>10	<1		
	Silver	ppm	ASTM D5185m	-2	0		
	Aluminum	ppm	ASTM D5185m		7		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	210	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
			Vidual				
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	15		
	Potassium	ppm	ASTM D5185m	>20	3		
Fuel content negligible. No other contaminants were detected in the oil.	Fuel	%	ASTM D3524	>6.0	1.9		
	Water		WC Method	>0.1	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	7.0		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5		
	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	>0.1	NEG		
	0			450	4		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
The oil viscosity is lower than normal. The BN result indicates that	Boron	ppm	ASTM D5185m		574		
there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m ASTM D5185m	100	183		
	Manganese	ppm		450	0		
	Magnesium	ppm	ASTM D5185m		914 0177		
	Calcium Phosphorus	ppm		3000	2177		
		ppm	ASTM D5185m		1119		
	Zinc Sulfur	ppm	ASTM D5185m		1215		
		ppm	ASTM D5185m		4180		
	Oxidation	Abs/.1mm	*ASTM D7414		16.3		
	Base Number (BN)	nig KUH/g	ASTINI D2896	0.0	8.5		

Visc @ 100°C cSt ASTM D445 14.4

11.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **ROMCO INC** Sample No. : VCP410566 Received 1350 NE LOOP 820 : 13 Feb 2024 Lab Number : 06086823 : 14 Feb 2024 FORT WORTH, TX Tested Unique Number : 10874268 : 14 Feb 2024 - Sean Felton US 76106 Diagnosed Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: ROB HOLCOMB Certificate L2367 rholcomb@romco.com 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. T: (817)798-9289 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (817)626-8983

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