

[SWO67967] Machine Id FLEXI ROC D65-10SF G23SED0438 Component

Component Diesel Engine

Are

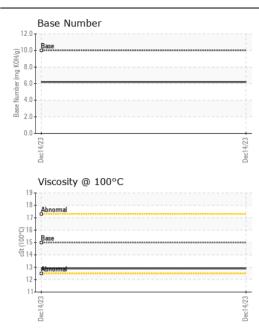
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

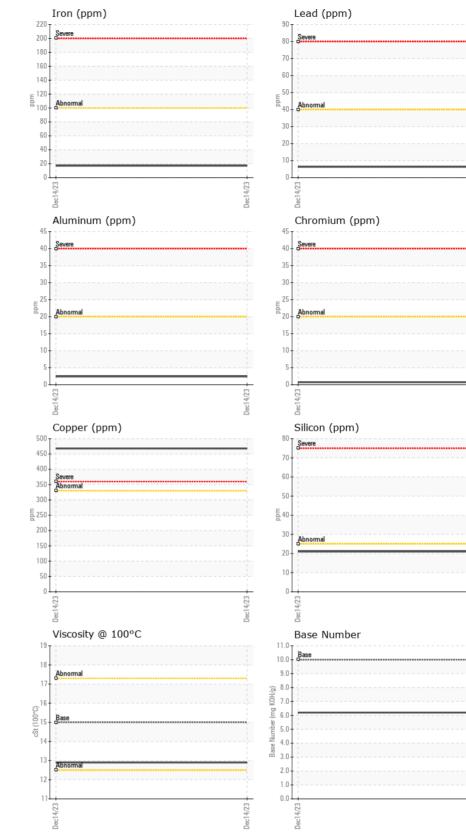
VOLVO ULIRA DIESEL ENGINE OIL 15W40 VD	5-3 (GAI	<u>-</u>)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP430401		
	Sample Date		Client Info		14 Dec 2023		
	Machine Age	hrs	Client Info		289		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	17		
	Chromium	ppm	ASTM D5185m		<1		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		6		
	Copper	ppm	ASTM D5185m		468		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
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CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		21 2		
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		2 <1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	>0.2	NEG		
	Soot %	%	*ASTM D7844	13	0.2		
	Nitration	Abs/cm	*ASTM D7624		9.4		
	Sulfation	Abs/.1mm	*ASTM D7624		20.4		
	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		*Visual	>0.2	NEG		
FLUID CONDITION							
	Sodium	ppm	ASTM D5185m	0.5	3		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		72		
	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		87		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		105		
	Calcium	ppm	ASTM D5185m		2002		
	Phosphorus	ppm	ASTM D5185m		979		
	Zinc	ppm	ASTM D5185m		1162		
	Sulfur	ppm	ASTM D5185m		3556		
	Oxidation	Abs/.1mm	*ASTM D7414		18.3		
	Base Number (BN)	mg KOH/g	ASTM D2896	10	6.2		

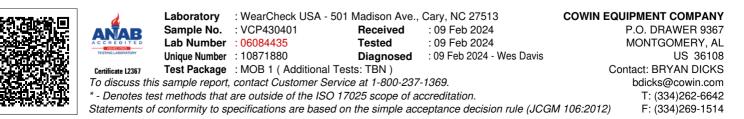
Visc @ 100°C cSt

ASTM D445 15.0

12.9







Contact/Location: BRYAN DICKS - VOLVO8532

Dec14/23

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