

Machine Id VOLVO A45G 353402

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

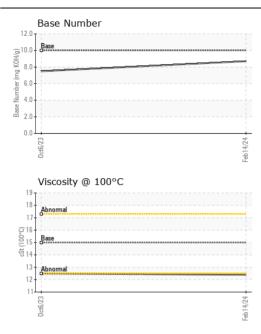
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		VCP440947	VCP424620	
Resample at the next service interval to monitor.	Sample Date		Client Info		14 Feb 2024	06 Oct 2023	
	Machine Age	hrs	Client Info		2842	2406	
	Oil Age	hrs	Client Info		0	1000	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m		11	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1	<1	
	Nickel	ppm	ASTM D5185m	>2	3	1	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		3	3	
	Lead	ppm	ASTM D5185m		1	<1	
	Copper	ppm	ASTM D5185m		3	5	
	Tin	ppm	ASTM D5185m	>15	1	1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Ciliaara			05	0	0	
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	6	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1	2	
,	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	0/	WC Method	0	NEG	NEG	
	Soot % Nitration	%	*ASTM D7844		0.4	0.3	
		Abs/cm	*ASTM D7624		7.7	7.5	
	Sulfation	Abs/.1mm	*ASTM D7415		21.7	21.6	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML	NONE NORML	
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML	NORML	
					NEG	-	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	2	
	Boron	ppm	ASTM D5185m	2.5	67	263	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		34	0	
	Molybdenum	ppm	ASTM D5185m		50	83	
	Manganese	ppm	ASTM D5185m		1	<1	
	Magnesium	ppm	ASTM D5185m		445	396	
	Calcium	ppm	ASTM D5185m		1424	1278	
	Phosphorus	ppm	ASTM D5185m		829	945	
	Zinc	ppm	ASTM D5185m		1037	1151	
	Sulfur	ppm	ASTM D5185m		2831	3086	
	Oxidation	Abs/.1mm	*ASTM D7414		18.9	15.3	
	Base Number (BN)				8.7	7.5	
		9 9				-	

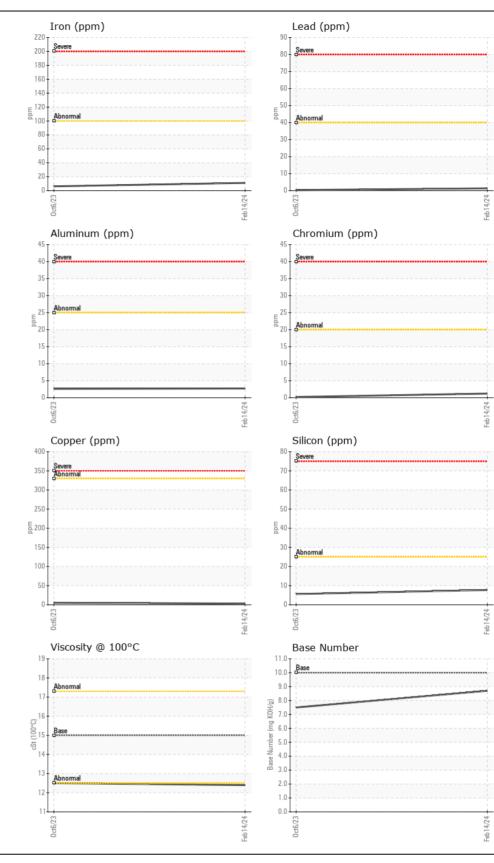
Visc @ 100°C cSt

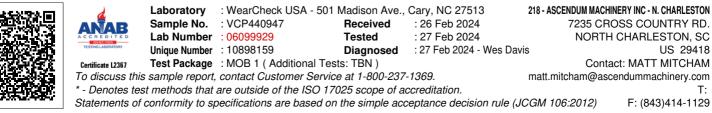
ASTM D445 15.0

12.5

12.4







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Contact/Location: MATT MITCHAM - VOLVO3387