

Sample No: VCP420689

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SPM594972 AMG

VOLVO					
SAMPLE IN	NFORMATION				
Sample Number	-	VCP420689	VCP404144	VCP387419	
Sample Date		15 Aug 2023	06 Feb 2023	17 Nov 2022	
Machine Hours		9240	7852	7016	
Oil Hours		0	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		SEVERE	NORMAL	ATTENTION	
OIL CONDI.	TION				
Visc @ 100°C	cSt	5.5	12.4	<u>▲</u> 10.9	
Base Number (BN)		■8.0	6.9	7.9	
Oxidation (PA)	%	49	84	96	
Oxidation (1 A)	70	43	04	30	
VOLVO	INTION				
CONTAMIN	NATION				
Soot %	%	0.1	□ 0.1	0.1	
Nitration (PA)	%	73	88	97	
Sulfation (PA)	%	44	60	65	
Glycol	%	NEG	NEG	NEG	
Fuel	%	51.7	<1.0	<u>▲</u> 2.5	
Silicon	ppm	6	6	5	
Sodium	ppm	2	0	4	
Potassium	ppm	6	2	- <1	
WEAR ME	ZIAT				
Iron	ppm	1 4	<u>6</u>	4	
Copper	ppm	1	3	2	
Lead	ppm	2	2	1 2	
Tin	ppm	0	<1	= <1	
Aluminum	ppm	1	2	- <1	
Chromium	ppm	■ <1	0	- <1	
Molybdenum	ppm	■33	6 3	6 0	
Nickel	ppm	■0	0	□ <1 □	
Titanium	ppm	■0	0	0	
Silver	ppm	0	0	- <1	
Manganese	ppm	■ <1	<1	<u> </u>	
Vanadium	ppm	0	0	0	
ADDITIVES	7				
_		A 502	= 1050	E-015	
Calcium	ppm	<u>▲</u> 583	1059	■815 ■1079	
Magnesium	ppm	■ 555	□ 919	□ 1078	
Zinc	ppm	□ 716	1223	1264	
Phosphorus	ppm	■ 572	982	953	
Barium	ppm	0	<1 = <1	0	
Boron	ppm	■ 0	- <1	■21	

ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560

Diagnosis

F:

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Visc @ 100°C is severely low. Calcium ppm levels are abnormally low. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO8885

 Unique No:
 10631062

 Signed:
 Wes Davis

 Report Date:
 05 Sep 2023



CONSTRUCTION EQUIPMENT





