

Sample No:VCP392633Oil Type:CHEVRON 15W40Job No:MARTIN MARIETTA

VOLVO

Sample Number	-	VCP392633	VCP411271	 	
Sample Date		03 Aug 2023	09 Mar 2023	 	
Machine Hours		2004	1029	 	
Oil Hours		0	0	 	
Oil Changed		Changed	N/A	 	
Sample Status		ATTENTION	ABNORMAL	 	
OIL CONDI	TION				
Visc @ 100°C	cSt	11.7	1 0.3	 	
Base Number (BN)	mg KOH/g	8.2	5.4	 	
Oxidation (PA)	%	65	70	 	
	ATION				
Soot %	%	0.4	0.5	 	
Nitration (PA)	%	61	89	 	
Sulfation (PA)	%	63	64	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	2.7	 	
Silicon	ppm	5	A 28	 	
Sodium	ppm	2	2	 	
Potassium	ppm	0	3		

WEAR N	METALS			
Iron	ppm	5	30	
Copper	ppm	15	214	
Lead	ppm	 <1	 < 1	
Tin	ppm	1	4	
Aluminum	ppm	1	4	
Chromium	ppm	 <1	2	
Molybdenum	ppm	116	99	
Nickel	ppm	 <1	4	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	 <1	2	
Vanadium	ppm	0	<1	

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ADDITIVES						
Calcium	ppm	1461	2099			
Magnesium	ppm	632	120			
Zinc	ppm	813	1075			
Phosphorus	ppm	679	864			
Barium	ppm	0	2			
Boron	ppm	247	38			



1150 WEST OLD SETTLERS BOULEVARD ROUNDROCK, TX US 78681 Contact: ED MAYES EMAYES@ROMCO.COM T: (737)204-9402 F: (512)388-2673

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO0088

 Unique No:
 10669351

 Signed:
 Jonathan Hester

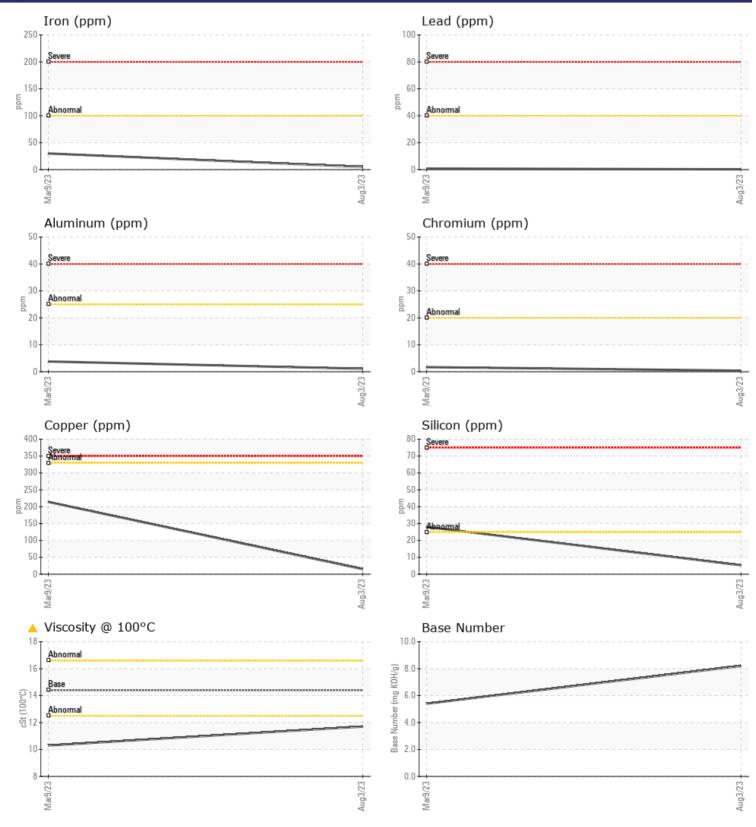
 Report Date:
 28 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0088 [WUSCAR] 05962800 (Generated: 10/04/2023 22:53:51) Rev: 1

Contact/Location: ED MAYES - VOLVO0088