

CONSTRUCTION EQUIPMENT C AND C ROAD MAINTENANCE 010322 - DIESEL ENGINE



Sample No: VCP428275

Oil Type:	DIESEL ENGINE OIL SAE 40
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Job No:

	INFORMATIO	N	 	
Sample Number		VCP428275	 	
Sample Date		23 Jun 2023	 	
Machine Hours		7693	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CON	DITION			
Visc @ 100°C	cSt	14.5	 	
Oxidation (PA)	%	78	 	
	INATION			
Soot %	%	0.2	 	
Nitration (PA)	%	88	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■ 6	 	
Sodium	ppm	2	 	
Potassium	ppm	_ _<1	 	
WEAR N	METALS			
Iron	ppm	33	 	
Copper	ppm	3	 	
Lead	ppm	1	 	
Tin	ppm	□ · □ <1	 	
Aluminum	ppm	▲ 22	 	
Chromium	ppm	 1	 	
Molybdenum	ppm	45	 	
Nickel	ppm	0	 	
Titanium	ppm	24	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

VOLVO

	VES			
Calcium	ppm	1331	 	
Magnesium	ppm	897	 	
Zinc	ppm	1259	 	
Phosphorus	ppm	1107	 	
Barium	ppm	0	 	
Boron	ppm	18	 	



GREAT WEST EQUIPMENT

1600 KOSMINA ROAD, 123 L&A CROSS RD VERNON, BC CA V1T 8T2 Contact: Garry Beach gbeach@gwequipment.com T: (250)549-4232 F: (250)549-3397

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.Aluminum ppm levels are abnormal. Piston wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

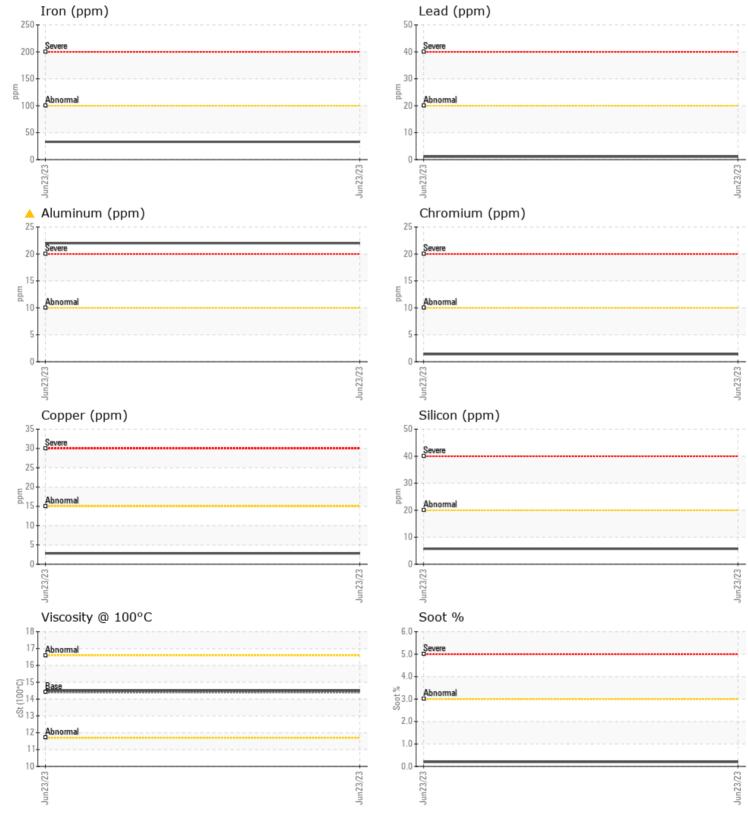
Depot:MARVERUnique No:5604807Signed:Kevin MarsonReport Date:05 Jul 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: Garry Beach - MARVER